The Mining Journal

AND COMMERCIAL GAZETTE.

No. 177 .-- Vol. VIII.]

LONDON: SATURDAY, JANUARY 12, 1839.

PRICE 6D.

SHARES IN VALUABLE BRITISH MINES, REVERSIONARY INTERESTS, &c. MR. C. WARTON'S NEXT PERIODICAL SALE of the VI. above description of property, will take place at the Auction Mart, opposite is Bank of Engiand, on Thursday, January 17, 1829, at Twelve o'clock, and will inde SEVERAL VALUABLE REVERSIONARY INTERESTS, also SHARES ININES of the FIRST CLASS, which are paying large Dividends, and others which re rapidly approaching maturity, vir., East Pool, Trewavas, Trevaskus, Carsias, Heal Liverpool, the Provisione Mines, Balmoon, East Wheal Strawberry, &c.; so in several SCRIP COMPANIES, more recently formed, and offering great ducements to moderate capitalists.—Particulars are preparing, and may be had, due time, at the Golden Lion Hotel, Liverpool; the Auction Mart, London, and Mr. C. Warton, Auctioneer and Estate Agent, 35, Threadmedic-strees, London, whom sales of every description of Mining Property and Reversionary Increase are periodically effected.

SERK SILVER, LEAD, AND COPPER MINES.—A FEW

These valuable Quarries produce Slabs and Landings of the largest transportable as, and of any required thickness for saving and building purposes, and of greater lative strength than those produced from any other quarries in the United Kingson. They also produce Roofing-Slate of the strofigest quality. These Quarries are in active work, and the material produced is now well known at appreciated in the London and other markets, and the decand for it is most public processing. They can be opened out and worked to any extent upon a rry moderate capital, and would yield a very ample return to a tenant after payent of all charges. They may be entered upon immediately. There are good add from the Quarries to the Stone-yards and Quays in the Harbour of Valencia. It also should be a strong the Read of the Stone-yards and Quays in the Harbour of Valencia. It also should be should b

roads from the Quarries to the Stone-yards and Quays in the ractions and squaring the Slabs.

As Steam-Engine, with Planing and Sawing Machinery for racing and squaring he Slabs.

For further information application may be made (if by letter, post paid) to Messrs. Penaberton, Crawley, and Gardiner, Soliciters, Whitehall-place), Mr. Baseri, Architect, Saville-row; Mr. Cubitt, Civil Engineer, Great George street, Westminster; and Messrs, W. and J. Freeman, Milbank-street, Westminster.

GLANORGANSHIRE.

ANTHRACITE COAL AND IRONSTONE.

ANTHRACITE COAL AND IRONSTONE.

TO BE LET, ON LEASE, and entered upon immediately, All the VEINS of ANTHRACITE COAL, STONE COAL, and CULM, under those Farms, called "Ynysygeinon," "Ynysycl," "Penygraig," and "Pearhiw," situate in the parish of Kilybeblil, containing upwards of SEVEN HUNDRED ACRES.

Two veins have been opened, and worked by level. There is a scarcely any Coal Pit Timber required, the roots brifg excellent. There is a Railroad belonging to the property, communicating with the Swansea Canal, which is distant about four hundred yards from the Colliery, and from thence to the scaport of Swansea is ten miles.

hundred yards from the Colliery, and from thence to the seaport of Swanera is ten miles.

The CELEBRATED COVIN VEIN of ANTHRACITE COAL lies under this estate, and there is an engine erected over it, and a bit sunk 35 yards, being more than half of the calculated distance from the vein, by the late proprietor, in consequence of whose death the further prosecution of the works were suspended.

This Coal lies contiguous to, and is undoubtedly the same, as that which Mr. Crane has been using in making the CELEBRATED PATENT ANTHRACITE IRON, the quality of which is considered superior to any now made.

There are extensive Iron Works now evecting in the immediate vicinity of this Colliery, where the Coal from the same veins, under an adjoining estate, are to be applied for the making of Iron. There are also under this estate several VEINS OF IRON ORE.

of a superior quality, which will be let with the Coal.

There is no situation in the Anthracite Coal district that offers a more eligible situation for the erection of Furnaces than this property. Any quantity of land may be had for that or any other purposes, the same being situated between the Eliest-Tave and the Swansea Canal, the water from which river may be applied to machinery for carrying on the works.

For terms and further particulars apply to Mr. Thos. Thomas, solicitor, Swansea.

For terms and further particulars apply to Mr. Thos. Thomas, solicitor, Swa

MUIRKIRK IRON WORKS .- For SALE, those well-known UIRKIRK IRON WORKS.—For SALE, those well-known and recently extended IRON WORKS carried on at Majetirk, in the county of Ayr, with every enability for the production of pig from and castings, rolled and hammered hir from, uses and implements, with all the necessary machinery and apparatus, great extent of power both by water and storain, and the whole in good working condition. They are situate on the banks of the river Ayr, and have vaterfalls equal to about 100-horse power, which are subplied at all easons of the year from large reservoirs. The mineral field is rich and extensive, and amply sitted with sumping and virioling cannes. The lordships are reasonable, and an abundant supply of excellent materias can be raised and delivered at the works by railway or cannil at very moderate rates. The accommodation for managers, over-acces, clerks, and workmen, is very complete. The farm consists of shout 173 imperial scree, the greater part of which is well drained and highly improved land, and there is a large extent of buildings for agricultural and dairy purposes.

For further particulars application may be made to Mr. Matthew Cruckshank, St. Geogre's square, or to Messra, Moncrieff and Paterson, writter, Glasgow; to Messra, Walter and Melville, W. St. Edinburgh; to Messra, Crawahay and Co., London; to Messra, Crowaha and Situans, Ayr, or to the managers of the works, at Mulricha.—Glasgow, Nov. 25.

BERDEEN HARBOUR.—TO CONTRACTORS.
WANTED, to the Aberdeen Harbour Trustees, CONTRACTORS to excess WANTED, by the Aberdeen Harbour Trastees, CONTRACTORS,—
MONTED, by the Aberdeen Harbour Trastees, CONTRACTORS to excess
above 234e yards to length of SEWERS or CULVERTS, on both sides of the HAR.
BOUR. These will consist of substantial masonry and pushels work, with a small
portion of cast iron, together with the necessary check sides, tide varies, s.e. &c.,
all agreeably to a piam, section, and specification mode out by James Walker, Esq.,
Civil Engineer, of London, which will be seen at the office of Mr. John Gibb, Waterioo Quay, Aberdeea; who will also furnish intending contractors with a printed
form of tender, point out the precise line of the sewers, and give any other information required.

Sealed tenders, marked "Tender for Harbour Sewers," addressed to the Aberdeen Harbour Trustees, to be left at the Harbour Office, Quay, on or before Tuesday, the 53th January nekt, at Twelve o'clock mon.

Intending contractors must deliver in, along with their tender, the names of two respectably persons, for the approval of the harbour trustees, who are willing to become bloom along with them for the due performance of the work.

N.B.—The trustees do not bind themselves to accept of the lowest offer, unless otherwise satisfactors.

Pixrboor Office, Aberseen, Dec. 11.

PIRMINGHAM, BRISTOL, AND THAMES JUNCTION

RAILWAY.—CONTRACT FOR WORKS.

Notice is hereby given, that the directors will meet at the office of the company, K. I. I. Robert-street, Adeiphi, at Two of clock, on Westersday, the 6th of February, to RECEIVE TENDERS for the execution of the following works.—CONTRACT No. 6.—Comprising the eleavation and forginalists of the site of the reliwar from the termination of Contract No. 4. at the contribute o extremity of Eynham Parm, about eighteen chains north of the Unisridge Road, to the terminas at the Kensington Canal Basin, a length of about ninety chains, tagether with bridge under the Unisridge walls, particularly allowed the galleries is extension of the same, retaining walls, particular with, culverts, drains, director, selector, and other things accessionly to prepare for and execute the foregoing, and for the entire completion of the limit, excepting the concreting or ballacting for and laying the preparement way.

The plants, sections, in the company, as aforemain, on and are important at the office of the company, as aforemain, on and are 25th instant.

The party whose trader may be accepted, will be required to enter tota a binding contract accordingly, and to give such security for properly performing R, as the directors may deem it measures to require, but the directors not describe the next pleasy three neiters for accept tile lowest office.

The tembers must be delivered at the office, at or before Two o'clock, on Wednesday, the said that of browney, and the parties tembering, or persons authorized by these, agust be and resemble as attentioned at the time of succeing.

By order of the Board of Directors,

Office, I. Robert-street, Adelphi, Jam. 9.

Office, I., Robert-street, Adelphi, Jun. 9.

JOHN THOMPSION, Sec.

LASGOW, PAISLEY, KILMARNOCK, and AYR RAIL—
WAY.—CONTRACTS for COMPLETING the RAILWAY Sums GLASGOW to
AYR.—The Electors of this Railway will MERT to their Office been, in Wednesday,
the sich of February acrt, at Twelver'slock nous, to consive TESIDERS for executing the remaining proteined of this RAILWAY, twings that extraording depreciation of the RAILWAY, twings that extraording structure of the Contracts of the Contracts of the RAILWAY, twings that extraording structure the twenty of Johnstone in near Dairy, and which is length elegan miles, seven fortissing,
and one hundred and twenty-six yards. This particul will be divided into feet
Contracts, and each Contract will incline the contract and line will be divided into feet
Contracts, may be seen between at the office of Messurs. Granges and Miline, engineers,
Raintenagh, on and other the 18th of Johnstone, in Toursday, the 22d January, and
at Mex. Cracip's Inc., Baley, on Vederoider, the 22d January parts, of Two 6Viles,
Executive will be required for the proper assuration of the Contracts, and the
Dispectual reserve prover to necount of some effect which they may think fit, whether it
be the however or not. Former of Toursday in the Surrection of Toursday in the Surrection.

By status of the Birectors.

J. H. HUMPERY, Mercutary.

S. B. Tib Tenders acced he let be based on the Toursday Veder Toursday of the Contracts, or these of classic con-

I ONDON AND DUBLIN DIRECT COMMUNICATION.

II. R. H. the Duke of Sus The Marquis of Anglesca The Earl of Charlemont Barl of Gosford Lord Disorben

nian Bank
Samuel O'Malloy, Bart.
Captain Stuart Paget
Mr. Alderman Pirle
Thomas Pottinger, Esq.
Peter Purcell, Esq.
G. C. Redman, Esq.
Joshus Scholefeld, Esq., M.P.
Thos. Wood, Esq., Alderman and Sheriff
of London.

Thomas Ciouston, Esq.

J. Pottrell, Esq., Governor of Hibernian Bank
Esward Acton Gibbon, Esq.

T. M. Gresham, Esq.

H. B. Griffiths, Esq.

R. R. Guinnene, Esq.,
Charles Hayes, Esq.

Charles Hayes, Esq.

Mr. Alderman Hodges, Dublin
Mr. Alderman Hyndman, Bublin
Milliam Jenkins, Esq.

Bankers—Mesars, James Ashley and Ston, Regent-street, London; Messrs, Glyn, Halifax, Mills, and Co., London; Commercial Bank of England, Choster; Hibernian Hank, Dublin.

Honorary Secretaries—John Davis, Esq., Warwick Weston, Esq.

Consulting Engineer—William Cubitt, Esq., F.R.S.

Acting Engineer—John Jenkins, Esq.

R is proposed to convert the beautiful hay is North Wales, formed by the Greek and Little Grave's Head, into a safe and commodious harbour, by erecting a pier on the outer, or N.W. side, so as to afford to packets, and other vessels of the largest class, immediate access and a secure retreat under every circumstance of thic and weather, for which it is admirably adapted by its great depth, there being not less than from three to six fathoms at low water spaing tides, accessible without basard from rocks, sheals, or any other impediment of danger. This situation is almost exactly opposite to Dublin, and its vicinity to the mining and manufacturing districts of North Wales, points it out as the most proper site, while the level of the country seems by mature to form a line of railway, which is intended to be carried along the coast of Deabighshire, by Rhyl and Mostyn, the banks of the river Ded, Holywell, Bagillt, and Fliat, thence to join the Chester and Crew Railway, making in the whole only forty-four miles and a half of railroad.

There are perhaps free projects which present such varied and such certain sources of revenue as those which will be found in this enterprise. The limits of an advertisement do not admir of rheir being furnished in detail. Accurate estimates of the expense of the anount of profit to be derived from its united sources of revenue heat he not combined advantages of a most admirable port for the

THE METROPOLITIES.

Another prospectives may be obtained.

THE METROPOLITAN BANK.

CAPITAL ONE MILLION.

4n 40,000 Shares of £25 each. Deposit £3 ies, per share.

Major-General Henry Wyndham.

Charies Pelbany Vilhers, £eq., M.P.

John Ellis, Eq., M.P.

Diancyone.

Chairman—The Right Honourable Thomas P. Courtenay.

Deputy Chairman—John Ellis, £eq., M.P.

Henry Jelf Sharp, £eq.

R. W. S. Lutwidge, £eq.

Proma Abbott, £eq.

Joseph Wooler, £eq.

John Baines, £eq.

T. C. Granger, £eq.

With power to add to their number.

Messrs. Hope and Oliphant, 1e, Ruthand-square, Ellisburgh.

This is a Bank of Discount and Deposit, at which every description of Banking business and Money Agency will be transacted.

Interest will be allowed on current accounts.
Deposit Precipits will be given for same left for a term; the rate of interest, and notice of withdrawal, to be the subject of special agreement.

Cash Credits, upon approved security, will be granted in sums of £100 and upwards, is the discretion of the directors.

The services of a genetimena, pecone one, be had be directors, at the offices of five solicity, of the proposed one principles of Erivate and Joint-stock Banking, have been secured as Manager.

Applications for shares (nost paid may be made to the directors, at the offices of the solicity of the solicity of the solicity.

JOHN MURRAY, Hon. Sec.

EAST INDIA INLAND STEAM NAVIGATION COMPANY

A Noble Marquis Wellesley, Most Noble Marquis of Sigo, St Hon, Lord Combernsere, Right Hon, Eart of Dundonald, Bir George Stannton, Bart.

Chairman—Right Hon, Sir Robert Wilmott Horton, Bart., S.C.H. Porty Chairman—Major General Sir Patrick Rom, G. C.M.B. and K.C.H. Nathaniel Ogio, Eng. Rivors Danimano, Eng. M.P. Bronald M'Lean, Eng. M.P. Rowan Rowland, Eng. James Rossell, Eng. Major-General Wright, R.E. Bayana.

Timonas Guedheriony, kop.

BANKERS.

Bir R. C. Giyn and Cu., Lombard street; St. Maryiofonor Bank, Cuvendish-square.

Boactrons—Monars, Blunt, Roy, Duncan, and Johnstone.

Sconaran — Walter Gibero Casada, Bag.

It is unnecessary to reposat the very profitable prospects and psecular advantages of this company, which are generally admitted, as marrated in a Prospectus said Report, to be had at the office, 97, Brand street, where applications for shares may be made to any of Bar Directors, or the Secretary.

STANDARD of ENGLAND LIFE ASSURANCE COMPANY.

Carryas—ONE MILLION.

The Right Hon. The Rans or Cavav.

W. COTY, Em.
William Batis, Em.
LASTRONE Diegram, Em.
LASTRONE Diegram, Em.
LASTRONE Diegram, Em.
Honry Lawman, Em.
LOWER RAZES OF PRENIUN THAN THOSE OF ANY OTHER OFFICE.

Hence an immediate and certain forces is given to the asympto, instead of the remote and contingent advantage, offered by some companies, of a participation in their profits. minimizes are allowed to solicitors and agents.
Increasing rates of possions, —be only years' are

Ago.	Annual Prendum for £180, payable during										
	First Fire Years.	Second Pive Years.	Third Fire Yours.	Fourth Fire Years.	Semainder of Life.						
13 25 26 40	0 10 4	37 2	170	111	1 10 10						

By order of the Board of Surentors, W. WEIGHT, Scoretary

T IS E PATENT SAPETY FUZE,
the selection desired section of the latest selection of the latest selecti

IZ ING'S	COLLEGE,	LONDON	-DEPARTMEN	TOF
	CIVIL ENGIN	PERRING AND	MINING.	WED IN
Mathen	aties	nev.	F. Hall, M.A.	and the same
Mechan	ica	Roy.	H. Moseley, M.A.	STREET.
Chemist	WY	P. De	miel, itig., F.R.A.	1135000
Geology		Ph.	illips, Esq., F.R.S.	
Example	named Philippophy	200	beatstone, Esc., F.R.S.	
Descrip	tive Geometry		The second second	milities .
Practice	al Minieralogy	Me.T	Connant, F.L.S.	
The Lectures	will commence on	Wednesday, the	23d of January. Prosp	pectuses -

THE GEOLOGY OF THE SILURIAN REGION,
OR BORDER COUNTIES OF ENGLAND AND WALES,
Comprehending a Description and Cassification of the Older Rocks, with Notices
and Sections of the Coal-fields, &c. &c.
By RODERICK IMPEY MURCHISON, Fag., FR.S.,
Vice-Fresident of the Geological Society.
London: JOHN MURRAY, Albemarie-street,

The minimal by subscription, price two Guineas, a Mathematical Work, contibled

THE MINE SURVEYOR'S ASSISTANT; or, DIALLER'S
READY-RECKONER; comprising an elaborate and extensive Traverse Tible (comprise a cpressly for the occasion) extrete out from one inch to six handred fort on every quarter of a degree throughout the quadrant. This concise description is quite enough to actiny all practical mean respecting the utility of this Table, and the great labour and time that must have been destowed in making it. Its principal superiority consists in its admitting of all disalling operations being performed by inspection, consequently the delay and liability to error unavoidably attendant on every other means is here completely superseded. To ever's will include table practical linestrations of the application of the Table, and saturilary computations, together with a brief practical Treatise on Mine Surveying.

Author of the "Practical Miner's Guide," &c.

P.S.—Subscriber's names and addresses may be transmitted to the office of the Mixtus Jouanes, 1/2, Gough square, Fiest street, London, the principal back-sellers in Currwall; or to the author, at Callington. All letters to be post paid.

*S. Not a stringle copy will be printed more than chall have been actually sub-

POYAISIAN SECURITIES.—The Holders of these Securities, the legalisation of wisch has not been completed by the payment of the several instalments set forth on the certificates attached thereto, are berely informed that all ARRARG of the said INSTALMENTS must be PAID on as before the list of January inst., or such Psysisian Recurities, whether stock or land certificates, will be excluded from any benefit which may arise out of the New Grant of the Psysisian Territory, bearing date pth of May, 1657.

W. UPTON, Secretary.

Poyaisian Office, 13, Paneras-lane, Jan. 8.

ROYAL POLBEROU CONSOLS MINING COMPANY

That impositures, part of come shares created on the 14th Appli, 1887, to cancellest. That finds show how any of 410 each in this company, be now created, which, on the payment of 45 per share, and no more shall be payable, shall be existed to receive 47 16s, per share out of the first profits of the said company, in preference to all other shares now existing a rive which payment, the said shares shall be equal in all respects to the shares attendy created. That the proprietors of all shares issued prior to this state, shall have the option of taking three of the said stone new shares for every four shares held by them, out their making application to the forestary previous to the 18th January, 1899.

That the directors be empowered to offer any shares not then applied for to the public.

That is the event of twee of the new shares not being taken by the above date, the foregoing resolutions be null and void.

3. Histopagate Churchyard, Jan. 11.

T. V. WILLIAMS, Secretary.

BRITISH SILVER, LEAD, AND COPPER MINING COMPANY.—At a meeting of the fluored of flirectors, held this day, it was resolved,—That in order to insoure the greatest possible requisirity in keeping the accounts, and to avoid that great inconvenience which has hitherto been suffered by bills. Ac., having been drawn or accepted by different parties, it is deemed at predict that done person only in authorised to draw or accept bills, or it make any organgements for supplies to the unines, or in any way undertake liabilities for the sompancy, and that unin pattons be the Purson for the time being title present Purser is F. N. Robitson, Enq. of Nancines, who clean act only on the orders of the Board, expressed to him by their forcertain, who clean act only on the orders of the Board, expressed to him by their forcertain.

1, Brazil-buildings, Liverpool, Doc. to.

R. SHERATON, Secretary.

ONDON ZING WORKS AND ROLLING MILLS, Wenlick road, City-road, Malleable Sheet Zine, Zine Nails and Tacks, Planisher
for Roeding, all of the VERY March and Dear Plates. k. road, City-road, — Mailcubic Short Zine, Zine Nails and Tacks, Plani assorted sizes, for Zinergraphy and Dour-Plates, and Patent Zine & ng, all of the VZRY SERF QUALITY, will be promptly supplied to Consumers, on application to JOHN BALL and Co.

ORTH BRITISH INSURANCE COMPANY,
for Assurance on Lives and Survivorships, and Illawine for the Purchase of
Seversions and Amenities. Established in 1905. Innerported by Royal Charter.
No. 4, New Hank buildings, Littlesery, London; and I., Hanover-street, Eduludge,
Capital, ONE GILLION.

Passivary—Hirthrace the Duke of Sutherland.
LONDON ANALS.

Passivary—The Karl of Compendows.
Vice-Pelasinary—Lord Vincount Stratharlan.

J. Evan Ballio, Req., M.P.

Liest. General Robert Bett.
Vice-Admiral Ref. P. Berestont, Bart.
The Right Hen. Henry Elin.
George Trail, Kep.

Ric Peter Land.

iir Peter J.aurie, Ald., Chairman.

Prancis Warden, Eug., Dep.-Chairman.

Louis Princ, Roy., Aldersana.

Louis Princ, Roy., Aldersana.

Louis Brewell, Roy.

Louis Conneil, Kop.

W. Petric Cranford, Eug.

Color Cranford, Eug.

Mark Boyd, Roy.

Roy.

Mark Boyd, R

Furnician-John Webster, M.D., 56, Governor street. Subscream-Menor. Parken and Webster, New Horswell-court, Lin

Healestrous.—Memore. Purision and Wicheler, New Horsewill-counts, Limitia's-ista,. The advantages officed to the policie by this corporation are—

1. Ample security from their large coupled.

2. Rather of prescribing terms their large coupled.

3. Rather of prescribing terms to be cont. Invert their most officer offices saring on the system of participations of profits.

3. Presentation step for make payable either in a single payment, or by sammal, had-yearity, or quarterly payments.

4. The sammed may either participate in the profits accord against all responding and additions.

5. When principles of the corporations, or may pay a loss premions for securing a specific sum without participate in their profits a consigned to others for oursement cannot, the holders are secret against the rise of the original amound dying by noticine of dusting.

6. Every facility given on moderate forms to persons going beyond the prescribe limits of the policy.

7. Adjantance make on security of policies of more than three years' standing, to the original amound the content of their value.

8. A libertal price given on policies to partice winning to successful.

9. Presents produced in the country can effect incommons by contramporting with the college of the local Milliony.

Advantance daily of the college, Milmore, B. can Milliony.

For original contractions of the board, Milmore, B. can Milliony.

For a program is the according of the college of the safernesses, where testing of make forms of program in the advances.

PRESENTURES

For the Assurance of died on a Single Life, either by Annual, Quartesty, or Half-yearly payments.

HOCHEDINGS OF PUBLIC COMPANIES.

GREAT WESTERN-RAILWAY.

A special general meeting of the directors and proprietors of this comany took place on Wednesday, the 9th inst., pursuant to adjournment,
or the purpose of taking into consideration the reports of Mr. Hawkshaw
ad Mr. Nicholas Wood, who had been directed to go over the entire
ne, and give their opinion upon the working of the entire system, the
acressed width of gauge, and continuous timber bearings, &c.

At twelve o'clock pracisely, William Unwin Sims, Esq., chairman,
anompanied by a large body of directors, the secretaries, engineer (Mr.
runel), solicitor, and other officers of the company, entered the room.

The Chairman said it was unnecessary to go into any lengthened

Francil; solicitor, and other officers of the company, entered the room.

The Chainman said it was unnecessary to go into any lengthened statement on the subject of their meeting, as all the shareholders had had ample opportunity of reading the reports which they had assembled to receive and consider. But the secretary would read to them a statement which had been drawn up by the court of directors, containing the results of their consideration of the reports of the engineers.

statement on the subject of their energing, as all the shareholders had hample opterusity of reading the reports which they had assembled to receive and consider. But the secretary would read to them a statement which had been drawn up by the court of directors, containing the results of their consideration of the reports of the suggineers.

REFORT

The directors have been enabled by the adjournment of the opecial general meeting from the times originally flend for it, to give to the properture an instruct of regords, since these documents have been sent toto circulation. Which as this proprehense were to decrements have been sent toto circulation. Which as the proprehense was to be deprecated on account of its retarding the utilized determination of those points upon which every seps towards the completion of the radio proprehense was to be deprecated on account of its retarding the utilized exception of the reading two both to the directors and the proprehense amplie opportunity for reflecting tipen the result of the investigation inseferations by those gentlemen as comprised in their two reports, some presents for or consideration at this meeting. The directing tipen the result of the investigation inseferations by those gentlemen as comprised in their two reports, some presents for or consideration and the meeting. The direction of the region of the property hereby and the region of the property hereby and the region of the re

realizations becomes the continuence of the public well approximate and profit in any inconvenience in the change of the continuence of the contin

neft of every individual proprietor.

Mr. Russers, Grenery and, he, like many other proprietors, had here-todore rested estated with the general measupement of the directors, and had placed implicit outfidence in their judgment. But it must have been felt by all that the time was at length arrived when some inquiry should take place into the truth of certain charges of mignessagement which had been very generally circulated. He had therefore satisfied himself by personnal impriry on to the treath of these flarges. He had read all the precedings, and these two reposts, and had arrived at the conclusion that the confidence originally reposed; in the directors was thereughly not found and fally instituted by the concentration had promoted. If any

THE MINING JOURNAL,

we arrived when the question must be set at reat, one way or another. If they had any regard for their own interests, some decision should now be come to by the body of proprietors at large, and the directors should be apprised whether they possessed the confidence of the proprietors, and were supported by them in the views they had adopted. There were, he believed, now only two important matters in dispute—the width of guage, and the continuous timber bearings. The late system adopted of continuous timber upports had been, on its first introduction, quite as violently assalled as the plan of the wide guage. To prove that stone blocks were not so well calculated for the purposes of railways, he need only advert to the Dublin and Kingston Company, who had given up stone blocks on the ground that such expenses were entailed by their use as to render it impossible to continue their use. A similar result was to be found on the Ulater, the Croydon, and the Bolton and Bury Railways, the latter of which was under the superintendence of Mr. Hawkshaw, who in his report had not said one word upon the subject. Mr. Wood had recommended the adoption of the weaden blocks, and Mr. Hawkshaw, by his allence, must be supposed to be tactily of the same opinion. With respect to the width of the guage, he had to contend against the opinion of Mr. Hawkshaw, who recommended that the whole of the rails should be pulled up, and that the works should be commenced again. He had looked through Mr. Hawkshaw's report with great care and anxiety, but he could see no reason for his arriving at the contend against the object of all railways, and that, in his opinion, could not be accomplished by the plan laid down by Mr. Hawkshaw, but that of Mr. Wood, who had recommended a narrow guage. Great advantages had been gained by the directors by the adoption of the wide guage, and they would be foolish indeed if they now gave it up. Then, with respect to atmospheric resistance, that, it had been clearly shown, could be overcome

that this meeting, being deepy sensible of the disastrous consequences, that inevitably arise, by repeated discussions as to the course in future to be adopted, do request the directors to alabre to the principles they have laid down in their report, as most conductive to the interests of the properties. The control of the course of the properties of t

upon and could be supported by measures. With respect to the two reports before the meeting, he must vay, in the first plane, it had never come to his knowledge that Mr. Hawkshaw was an engineer. He was most unwilling to say anything of a gentleman that he was unacquainted with; but here was a regort, and, in the face of it, he would say that it was unterly unfit for their guidance. There was such a want of those principles in the report, which ought to guide a scientific man, that would induce him (Mr. Babbage) to throw it overboard altogether. With respect to the atmosphere to bodies moving through it and been said, nobody ever heart of its being taken into calculation before. The laws of the resistance of the atmosphere to bodies moving through it and been long aince ancertained, and these laws—like other laws of Nature—were immutable. The resistance was as to the square of the velocity. He would now man a word with respect to the performance of the engines, and he would first refer to Mr. Hawkshaw, who had himself constructed a railway. He would probably consider that what he had done on that line was right. Mr. Hawkshaw's railway was one of the most expensive in the kingdom, for it had cost 66,000!, per mile. Mr. Hawkshaw' had also adopted the continuous bearings on his line, and it was known that the gradients of that line were extremely bad. Mr. Hawkshaw reported that on that railway the speed was 23,2-10 miles per hour, with a load of 22 tons, and a consumption of 1 i-16th lb. of cohe per ton per mile, while, by the performance on the Great Western Railway, at somewhat greater speed, 23 3-10 miles per hour, with a load of 32 tons, and a consumption of cole per ton per hour was less, to do the same work it would require seven eagles, with engineers, stokers, 6c., on the Manchester and Bolton line. The consumption of coke by the North Star, doing that enormous work, was only three-lenths of a pound of coke per ton, per con-fourth of the quantity consumption of coke by the North Star, doing that enormous w

meeting.

Mr. Phipps thought Mr. Hawkshaw had been most unfairly dealt with, for he had only one month to make out his report, while Mr. Wood had

meeting.

Mr. Phiffps thought Mr. Hawkshaw had been most unfairly dealt with, for he had only one month to make out his report, while Mr. Wood had six months.

Mr. Baker said, that Mr. Hawkshaw's opinion was not entitled to any great weight, for he had been only a draughtsman in an office at Liverpool. Dr. Caapenten said, that certainly the opinions of Mr. Wood were startling beyond measure with respect to atmospheric pressure, for if they were correct, there was an end to the velocity of forty miles sh hour og the bread guage. But what was the fact? Mr. Brunel and the directors had made the experiment, and had actually accomplished forty miles an hour without any great increase of expenditure, and he was, therefore, inclined to lay much less stress on Mr. Wood's report than he should if Mr. Wood himself had made the experiments. He had never attended one of the meetings of the company until this agitation arese, and he then felt it to be his duty to hear both sides. He had done so, and he must any, that the some he had examined the more had his confidence in Mr. Brunel increased. His confidence was heretofore in the directors, now it was in the directors and Mr. Brunel. After what had fallen from Mr. Babbage, he trusted Mr. Hayworth would withdraw his amendment. He appealed to him to consider, and not suffer their shares to be run down for no other reason than because they were not united; when the mere withdrawal of his motion would be halled as a peace-offering, calculated to be beneficial to them all.

Mr. Barnel become of ludderous importance. He was not surprised that Mr. Babbage and other gentlemen had not entered much upon this, for they were not hound to fight with ghoots: but for himself, being a sort of aervant of all work, he must be supposed to meet the objection. This atmospheric pressure had in fact become a bugbear; but he must beneatly tell the meeting that he locked upon all that had been said upon the subject as mere humburg, The effect of atmospheric pressure had he had saved 70,000l. The fo

per mile.

Mr. 8 wrry said, his vote should be governed by the reports of the two engineers employed by the directors, one of whom recommended that the perount plan should be abundoned altogether, and the other of whom said that
no advantages had been or could be gained, commensurate with the expenses

which the plan incurred.

The CHARDARY then gut the amendment, which was lost by an immense majority, only ten or twelve hands being held up in its support.

Mr. HAYWORTH said, the question was one of such importance that he

Mr. HAYWORTH said, the question was one of such importance that be sould demand a pull.

Mr. GURNEY wished to ask ,if it was true that certain proprietors had see splitting shares for the purpose of obtaining a majority on this subject?

Mr. Swift—I have done nothing of the kind.

Mr. GURNEY—I ask if Mr. Hayworth and Mr. Crossthwaite have not use ma.

Mr. GURNEY—I sak if Mr. Hayworth and Mr. Crossinwise may done so?

Mr. HAYWORTH—I will answer that question if it is legally asked.

The CHAIRMAN—The question cannot be legally asked.

Mr. GURNEY—No matter. The refunal to answer is quite sufficient.

Mr. HAYRS—Has your secretary been soliciting preases?

The SECRETARY said, he had solicitied preases, but not until after he had accortained the adopting of the system of splitting shares. Deeply interested as he was in the company, perhaps more deeply than any gentleman in that room, he fell he had the right to ask for preases when his only object was the benefit of the company.

The CHAIRMAN said, when the Briefal directors were applied to, they at more stated that they had not split their shares.

The CHAIRMAN said, the London directors had not split their shares, and would not, he feld confident, resort to any such momenture.

Several geoffermen here culvaried Mr. Hayworth to withdraw his amendment, but in vais, and the poil was necessingly commenced. It was feasily arranged that the poil should be adjustment until ten o'clock on Thursday, and that it should close at twelve o'clock.

Thursday morning at two o'clock, and one

The balleting was recomed on Thursday morning at ten o'clock, and con tinued matil twelve o'clock. Shortly afterwards the CHAIKWAN stated the the ballet was closed, and the scrutineers would shortly seasonace the resul-The scrutineers were—Mr. Ward, for the Landon and Sciatal proprietes

MAN said, the scrutineers had made their report on the amendment. The secretary would read that amendment and the numbers.

exertary would read that amendment and the numbers.

The SECRETARY then read the amendment, as follows:—" That the reorts of Mr. Wood and Mr. Hawkshaw contain sufficient evidence that the
lans of construction pursued by Mr. Brusel are injudicious, expensive, and
sufficient for the professed object, and ought not to be persevered in."

The amendment was lost, the numbers being—

FOR THE AMENDMENT.

5969-6145 AGAINST THE AMENDMENT. -7799

Brunel, to state he had not made any observations from personal feeling rds any gentlemen.

vote of thanks was then given to the directors and the chairman, who ned thanks, and assured the proprietors that their best abilities should cried to promote the interest and prosperity of the company. The lag then separated. A vote of

MINING COMPANY OF IRELAND.

A meeting of the directors and members of this company was held on Thursday, the 3d inst., at the Commercial-buildings, Dublin, for the purpose of receiving the report for the half-year ending lat December, 1838.

JOHN O'NELL, Esq., in the chair.

Mr. Pundy, the secretary, having read the advertisement by which the meeting was convened, the proceedings of the last meeting were entered on the minutes as read.

on the minutes as read.

The SECRETARY then read the report, of which the following is an ex-

tract:—

"The board, in reporting the progress made in the affairs of this company in the past half-year, has the satisfaction to announce an increase in the amount of the profits; a decrease in the amount of unproductive expenditure, and a considerable reduction in the amount of the company's liabilities. The profits amount to \$11,7591. 2s., of which \$21521. 5s. 9d. has been applied in opening Derrynoos, Caine, Kiicrohane, and Hollyford (Ballisanode) mines, and in permanent improvements; and the company's liabilities have been reduced \$1,6671. \$11s. \$4d."

After detailing the further proceedings of the company, the report contains the following paragraph:—
"Having thus set forth the result of the company's works in the past half-year, and the present prospects of the saveral concerns, your board has only further to recommend that a dividend be declared for the last half-year ended, at the rate of 10 per cent, per amoun, and that the same be payable on and after the 1st of March next."

A resolution was passed to the effect that the report be received, entered on the minutes, and that 500 copies of it be printed, published, and circulated among the proprietors.

circulated among the proprietors.

Mr. James Pim suggested, that after the dividend of 10 per cent. wa paid, that any surplus beyond that amount of dividend should be laid wide, for the purpose of ensuring the stability of the company's future

operations.

Mr. Penny concurred in Mr. Pim's views, and congratulated the meeting upon the favourable state of the copper mines in the county of Waterford, which he had lately visited. He walked several miles underground, and was struck with the quantities of ore he had seen. The manager of the mines informed him that he could raise a much larger quantity, but that he preferred not doing so until the mines were in such a state that a proportionately large quantity could be permanently raised.

Mr. Pim asked whether it was the intention of the directors to continue the operations in the slate quarries, which were so expensive to the company, and involved such a multiplicity of the valuable time of their officers, who could be much better employed in other matters, that he did not think them worth the time and expense laid out on them.

The Chairman said the expenses were considerably reduced. The company had established a market and a character for this commodity, and after going through all the difficulty attendant upon doing so, which he conceived to be edequate to the loss sustained, he thought it would be impredent to reliminish them now.

Mr. Guinness differed from Mr. Pim, and looked upon the slate quarries as a most valuable adjunct to the mines. He hoped to see the day when there would not be a thatched cabin in Ireland; and when he reflected upon the extent of employment which they afforded to the poor, he looked upon them are very great advantage to the country. The great liability of thatched houses to fire, together with the circumstance of the ground being robbed by the thatch put upon their houses, rendered slates doubly advantageous. He would not let his patriotism go too far; but he would consent to lose 1000/, a-year sooner than abandon the date quarries.

Several of the members coincided in Mr. Guinness's opinions. operations.

Mr. Panny concurred in Mr. Pim's views, and congratulated the

quarries.

Several of the members coincided in Mr. Guinness's opinions.

Thanks were then voted to the chairman, and the meeting a

Victoria Iron Works, Lower Erry Vale.—On Tuesday, being New-year's-day, the large engine for blowing the blast furnaces was started for the first time. It has been constructed at Neath Abbey, and a beautiful piece of machinery and display of science we understand it is. The blowing cylinder is the largest in Monmouthshire, and equal to the largest in Glamorganshire, being 122 inches in diameter. The "make" of iron by this company has not been very great, as it appears to have been their design during the short time their furnaces have been in operation, rather to arrive at superiority of quality, and in which we learn that they have been eminently successful. It is expected that they will soon get another furnace in blast owing to the great auxiliary which the company now have, and the considerable increase of usine and one which their "workings" daily afford them.—Monmouthathire Merlin.

Construction of Raxiwaxa.—In appearance the railroad is but two sets of parallel iron rails, bright with friction, and caised a little shore the ground. As far as the eye can reach it continues as level as a floor:

two sets of parallel iron rails, bright with friction, and raised a little above the ground. As far as the eye can reach it continues as level as a floor; but much more of art must exist than is apparent; and a great frameus of structure is requisite to sustain the ponderous machines which pans with such velocity over those small burs. The width on which the sails are laid down is between thirty and forty fact. The rail now used is termed an edge rail and exuses but little friction, from the smallness of the surface presented to the tire. It is made in fifteen feet lengths with The entrace presented to the fire. It is made in firsten feet lengths with the flanch, curving from the middle to the sides, and much heavier than at first. The original radis on the Liverpool and Manchester Railway were 35 lb. per yard, but tails of above double that weight were substituted. But besides the difference in the size and weight, a difference has also been made in the shape of the rail. The old sort is called the "fish-belthe besides the difference on the size and weight, a difference has a size been made in the shape of the risk. The old sury is called the "fab-belled" rail, from its budging out in the mode of the mode in the shape of the water. They were introduced by Professors Barlow. Cast-trom is now wholly diseased, and nearlikehile ron which has been rolled is substituted. They could fit raile to the block or sleeper, by sustino of what is called the same diseased and a special to the block or sleeper, by sustino of what is called and a left the order has a special to the block or sleeper, by sustino of what is called and a left the raile of the college of the called a special to the block or sleeper, by sustino of what is called a sleeper, got a supple of the order bards are per sleeper of the called the called a sleeper, and a supple of the called the called a sleeper, and a supple of the proposition has been of the called the called a sleeper, and a supple of the called the called a sleeper, and a supple of the called the call

ORIGINAL CORRESPONDENCE.

CORNISH STEAM-ENGINE IN LONDON.

TO THE EDITOR OF THE MINING JOURNAL.

SIR,—Observing in your last week's Journal a letter upon the subject of a Carnish Pumping Engine lately erected and set to work at the East London Water-works, under my superintendence, in which there are some inaccuracies. I beg leave to lay before you the following facts.

The engine, although "started," has not been regularly at work, nor will it be at present, it having been found necessary in this case, as in most others where new machinery has been erected, to make many adjustments. It is intended to work the engine eight strokes per minute; the diameter of the plunger pole is forty-one inches, as stated by your correspondent; and the column of water under which it will work is intended eventually to be 130 feet—the load, therefore, will be 74,490 fbs. The quantity of water discharged per minute will be upwards of 3800 imperial gallons. The engine, there is no doubt, is capable of doing half as much again as here stated, but the saving in fael would be diminished, nor would it be advisable to work her at such a speed.

I do not understand what your correspondent means, by stating that "one" Cornish engine is equal to "three" engines of the common construction, of "equal diameter." Not only the diameter of the cylinder, but the length and number of strokes, and the pressure of steam, must be considered in any calculation of power. The engine in question (optinder eighty inches diameter), working eight strokes per minute, will be equal to about 170-horse power, while our present engine (cylinder sixty inches diameter), working fifteen strokes per minute, is equal to about 100-horse power.

I feel so desirous of proving the superiority of the Cornish engine over

diameter), working fifteen strokes per minute, is equal to about 100-horse power.

I feel so desirous of proving the superiority of the Cornish engine over any other engines for pumping water, and other purposes, that I should be sorry if any inaccurracies respecting the first engine erected upon this principle in London should be allowed to appear in the public journals. I hope to be able in a very short time to give full particulars of this engine to the public, together with a statement of the daty done; in the mean time I beg leave to say that I am as certain as I have fitherto been of being able to establish beyond doubt its great apperiority.

The other statements of your correspondent, who seems to be a staunch supporter of the Cornish system, are, as far as I know, correct; and I am very glad to find that this most important subject is attracting more attention than heretofore, out of the county of Cornwall.

In conclusion, I cannot help saying that, although I have the highest respect for the abilities, talent, and sterling honesty of my friend, Mr. West, whose boilers are, in my opinion, superior to any other I am acquainted with, I am, nevertheless, certain he would have preferred seeing his name connected with his professional brethren in the county, to so many of whom, jointly with himself, the credit of having brought the Cornish engine to its present unrivalled position is due.

I am, Sir, your obedient servant,

Bast London Water-works,

Glefford, Jan. S. Eng. to the East London Water-works.

The letter siluded to, although correct in the mala, was written in two ostentations a style, which we are pleased to flud corrected by Mr. Wick-steed.—ED. M. J.]

WEST TRESAVEAN MINING COMPANY.

WEST TRESAVEAN MINING COMPANY.

WEST TRESAVEAN MINING COMPANY.

TO THE EDITOR OF THE MINING JOURNAL.

Sin,—Will you give me leave to ask the names of the managers of the West Treeavean Copper Mine, and where is their office or place of business, if you know them? having commissioned a friend to inquire, who reports that he can gain no intelligence! A call of 10s. per share was made some time since, and another was notified for last year; they, however, give no account of receipt or expenditure—or if they have, the writer has not received any, nor has any been published in your useful and valuable Moning Journal. Any information which you can favour me with will much oblige

Yours, most respectfully.

A Shareholden.

P.S. Your expasure of the conduct of the West Cock Missing Company was truly acceptable; and if your attention were drawn to the procedure of the West Tresavens Company it would be of great service, and thankfully received, as the former was.

[We trust that the required information will be furnished to our corre-

[We trust that the required information will be furnished to our corrected by some of the parties having the management of affairs, otherwise shall endeavour to obtain it for him.—Ev. M. J.]

SWISS ASPHALTE COMPANY.

SWISS ASPHALTE COMPANY.

TO THE EDITOR OF THE MINING JOURNAL.

Sit,—I request the favour of your inserting in your valuable Journal, a few lines in answer to a letter from Mr. John Baily, 37, Fenchurch-street, auditor of the above. For although Mr. Baily now denies that he is an auditor, he cannot so esally get rid of his responsibility; did he not consider himself bound to make, immediately after the publication of publicities, a denial or renunciation of his character as auditor, as publicly as he now does after the money has been paid on the faith of the representations toade in the prospectus? Sir, the fact of Mr. Baily's being or not an auditor, would have been of no moment; but a knowledge that his or any other name had been used without authority, would have thrown such a degree of merited suspicion upon the whole concern, as would have prevested the payment of the deposit.

The money, however, has been obtained from the public, and now when shareholders senk for some account of how it has been appropriated, one of the auditors, whose duty it is to audit the accounts and give an account of the property, comes forward to repudiate his duty and escape from responsibility, throwing the onus upon his partner, Mr. Anichini, from whose "homourable character" he does not doubt the account will be willingly rendered. Six, no signs of it yet appear.

John's Cuffee-house.

CARIGGAN CONSOLIDATED TIN MINING COMPANY.

CARIGGAN CONSOLIDATED TIN MINING COMPANY.

TO THE EDITOR OF THE MINING COMPANY.

TO THE EDITOR OF THE MINING JOURNAL.

Size.—In your Journal of last week you have inserted a latter relating to the proceedings of this company, at which I felt some degree of supprise, because I believe it is not your general practice to interfere with private companies; but as the object of your correspondent in evidently to prepalice the public mind against the measure a large analysist of the proprietors have thought best adapted to promote its success, I must request that you will, with your usual impartiality, insert the following statement.

statement.

The precting to which your correspondent alludes, was called to take into consideration the best method of raining a further capital for the offectual working of the mine—a notice sufficiently comprehensive. The constitute had the power to make calls, but in consequence of the great difficulty in getting the shareholders to respond to them, and the division of opinion that existed among them as to the policy of making any further call, they very wisely determined upon leaving it an open question, for the properties to deal with in that way which was meet congruind with

which was, that if a call had b

which was, that if a call had been made, it was more than probable the two leading members of the committee, Messrs. Read and Hi would have resigned, from a determination no longer to continue their sponsibilities, unless funds sufficient for carrying on the undertaking v at once placed at their disposal, which would have been to a great est an uncertainty, had a call been made. To those gentlemen we are lag indebted for their exertions (gratationaly given), and no proprieto think, but would have respected such a result.

As to the success of the measure, I have no doubt but it will be explote: nearly 400 of the new shares are already subscribed for the present shareholders, and it is not improbable but the remaining por will be taken by them. That the tendency of the measure will be salvation of the concern, and raise the property in public estimation have not the slightest doubt, whilst, if the former proposition had be carried, it would have deteriorated the property, and risked the very istence of the concern. Being, Sir, the mover of the amendment, I gratified to find so large a proportion of the abarcholders have taken, same view of the question as I have done.

By the terms of the resolution passed, every proprietor is entitled his proportion of the new shares, therefore, if the advocates for a call on

gratified to find so large up as I have done.

By the terms of the resolution passed, every proprietor is entitled his proportion of the new shares, therefore, if the advocates for a call on forward and subscribe for their proportion, their interest will remain, cisely the same. Trusting you will insert this in your-next Journal, I remain, Sir, your obedient servant,

THOMAS SMITE.

cisely the same. Trusting you will insert this in your-next Journal.

I remain, Sir, your obedient servant,

Genvell-street, Jan. 10.

TO THE UNREGISTERED SHARRHOLDERS IN THE ANTIDRY-ROT COMPANY.

Genvell-street, and the observations I am about to make were suggested on perusing a letter in this paper last week, from a proprietor of registered shares in the Anti-Dry-rot Company; the arguments contained in that letter were so at variance with justice, that I have felt it my duty, as a proprietor of unregistered shares in the same company, to lay before you, as far as I an able, a correct and fair view of this most miortunets and complicated case. Now, in the first place, it must be obvious to all unprejudiced parties, that it would be an set of the grossest injustice to make the proprietors of unregistered shares the sole sufferers for the unpartonable and unascountable what of caution of the directors suffered one of their body to reissue those shares which ought at once to have been cancelled? The fault is attributable to their neglect, and they ought, at all events, to be joint sufferers. We must, however, if necessary, base our chian upon law, and not upon justice alone; I will therefore now proceed to examine how far the law will have me and. Being myself as interested party, I have been at some pains to arrive at the true state of the case, and I have much pleasure in stating my decided conviction, that it would be as fina-possible, as it would be amaifestly unjust, for the directors to refuse to admit the holders of scrip upon an equal footing with the other proprietors; it is no doubt very moutrifying to the directors to see their property so much depreciated in value, but their wisest course is evidently to hear the last with a good grace, and profit by past experiment. I will, however, proceed to refute one or two of the arguments put forward in the letter above alluded to;—in the first place it is stated that the cerip ahaves became void from the fact of their being registered—to this these are two

title is too retreases.

It issued? Not only does it confer a title, but a title wines must be aware it is impossible to resist.

In conclusion, I have only to express a hope that at the coming meeting, the directors, with the advice of the committee, will decide upon following that course which both law and justice suggest, and admit the serip proprietors to register their shares. At all events, I, for one, will admit of no compromise, and will contest the point to the utmost, and I fee convinced that in thus proceeding I shall have your cordial support.

I remain, gentlemen, your obedient servant,

Justita.

BUTE SHIP CANAL.

The following account of this magnificent undertaking appears in the "Companion to the Almanack" for 1839 —

This important work, which has been in progress for accessly years, is drawing rapidly towards completion. It is generally known that the river Taff, which fells into the sen at the port of Cartiff, forms a principal cullet for the mining districts which compose the entensive basis of Glamorgan-shire. The produce of these mines into hiberto found its way into market through the Glamorgan-shire. Canal and Sen Lock, constructed about forty years ago, which has long been found inadequate to meet the drawable for increased accommodation consequent open the extraordinary increase of trails which has taken place since the canal was opened, came idea of which may be formed from the fact that, according to the canal accommodating the fact that, according to the canal accommoder of the fact that, according to the onal accommoder of the first state of the decay of the canal according a sent thin the solghburchood of Our-diff, and especially an extensive piece of level ground, commonly called "Cartiff Moore," where decks, wherfs, not warehouses might be constructed to an unlimited extent, and a convenient solid made into the well-known safe randstand protected by the localization of Penarth—obtained as act in 1800 for constructing a new harbour, the, to be called the Bate Nep Canal, and has carried on and search; about three-function of a male in length, from the middle of Cartiff Rombs to the sen gates, which are farly fire fast wide, with a depth of accounters first at high water many thes, and thaty-two feet at springs. On pacoing the est gates, venarth will enter a small basis,

PUBLIC COMPANIES.

MEETINGS.

MARÝPORT AND CARLISLE RAILWAY.—Notice is hereby given, that, in pursuance of the act of incorporation, the HALP-ILY MEETING of the Mazyport and Carliale Railway Company will be held house of John Glosg, Aspatria, on Tuesday, the 12th day of February sext, at a o'clock at noon. d this 2d day of January, 1839.

DRESTON and WYRE RAILWAY and HARBOUR COM-PANY—Incorporated by Act of Parliament—Take Notice, that an AD OURNED HALF-YEARLY GENERAL MEETING of the Proprietors of the Commany will be held at the Company's Office, 11, King William-street, in the City of ondon, on Monday, the flat inst., at One o'clock, when six of the present directed will go out of office, but will be eligible to be re-elected.

11, King William-street, January 3.

12, King William-street, January 3.

BRITISH SILVER, LEAD, and COPPER MINING COM-PANY.—Notice is hereby given, that the ADJOURNED MEETING of the hereby given, that the ADJOURNED MEETING of the hereby given, that he ADJOURNED MEETING of the herebolders of this company, which was to have been held at the Clarendon comes, Laverpool, on the 14th inst., is unavoidably POSTPONED for the present of give time for commideration, whether it would not be better to hold it in the enth of April, in accordance with the regulations of the prospectus.

10. Austin-friars, Jan. 16.

CANDONGA MINING ASSOCIATION—A HALF-YEARLY GENERAL MEETING of proprietors of the Candonga Mining Association will be held at the office of the Association, 9, Nicholas-lane, King William-street on Thursday, the Sist day of January, current, at One of the clock in the afternoon precisely, to receive the half-yearly report of the directors.

One of the Candonga Mining office, Jan. 7, and Candonga Mining office, Jan. 2, and Candonga

GREAT WHEAL CHARLOTTE MINING ASSOCIATION.

—Notice is hereby given, that a SPECIAL GENERAL MEETING of this Association will be held at the George and Vulture Tavern on Monday, the 28th inst., for the purpose of receiving a Rayoux upon the present state of the Mine, and for providing further Funds for carrying into effect the recommendations therein.—19, Lawrence Pountney.hill, Jan. 11.

I INITED MEXICAN MINING ASSOCIATION.—Notice is bereby given, that a HALF-YEARLY GENERAL MEETING of proprietors of the Association will be held at the London Tavern, Bishopsgate street, on we loseday, the 30th instant, at One o'clock precisely.

By order of a Court of Directors,

34, Old Broad-street, London, Jan. S. JOHN MATHER, Sec.

W HEAL HENNOCK AND CHRISTOWE MINING COM-PANY.—The directors hereby give notice, that the SPECIAL GENERAL MEETING of the elarabidiers advertised to take place on the 20th lost., is FOST. FONED until Thursday, the 17th January, 1809, at 12 o'clock precisely. H. MOLYNEUX, Sec.

CALLS

WINEAR MINING COMPANY.—Notice is hereby given,
that the directors have come to the resolution of making a further CALI
on the proprietors of ONE POUND per share, according to the power vested in
them by the prospectus, which Cali of One Pound per share is to be paid to the
bankers of the company. Measure, liarnett, Hoares, and Co., No. 62, Lombard-street,
on or before Saturday, the 19th of January.—N.B. The shares on which the previous calls have act been paid are Forfested.

15. Great fit. Helens, Jan. 5.

COMBMARTIN and NORTH DEVON LEAD and SILVER MINES.—At a Meeting of the directors in the above concern, held at the Ring's Arms Hotel, Combinartin, the set day of January, 18 9, it was resolved, "That all shares on which the last call of Twesty Shillings per share be not paid on or before the 2d day of Pehruary next, be absolutely and irrevocably PORFEITED, and that the secretary is hereby empowered to strike them off accordingly without apy further notice."

W. NEWTON, Sec.

PRELEIGH CONSOLIDATED MINING COMPANY MINING COMPANY.—

Notice is hereby given, that the period for the payment of the Eighth Install sent of Neven Shillings and Sixpence per share having expired, all shares upon which the said instalment shall not be paid into the bankers of the company Messay. Yere, Sapte, and Co., on or before the Sixt instant, will be irrevocably PORFEITED, without forther notice. The proprietors are requested to bring the screen, together with the bankers' receipts, to the office, as under, to be exchange for new certificates, representing the same of 45 fas paid, thus enabling the directors to advertise the number of shares into whichethe company will be divided.

By order of the board,

28. Threadmendle street, Jan. 1.

ROWLAND NICHOLSON, Sec.

WHEAL WALLIS MINING COMPANY.—Notice is hereby given, that the Directors of the above Mine have this day made a CALL of EN SHILLINGS per share, to be paid into the Manchester and Liverpool Districtions, on or before the list day of January, 1839. The Secretary is empowered to adopt the serips on production of the banker's receipt.

By order of the Directors.

MENRY CARR, Secretary.

DIVIDENDS.

CONSOLIDATED COPPER MINES OF COBRE ASSO-CIATION.—Notice is hereby given, that a DIVIDEND of TWO POUNDS per share will be used to the holders of certificates in this company, at the office of the Association, 28, Austin-friars, on and a fire the lath day of January next, be-tween the hours of Eleven and Three o'clock. The proprietiors are requested to leave their certificates at the office for examination three clear days before the day of permont.

By order of the court of directors, 18, Austin-friars, December 15.

PUBLIC COMPANIES.

London and Cropdon Hailway London Tavern Jan.	12 1.
York and North Midland Railway York	14 12.
London Parcels Delivery Company Roll's buildings, Firet-street	14
North American Colonial Association. London Tavern	15 1.
National Patent Sait Company 29, King's Arms-yard	Il
Mutual Life Assurance	16
Mutual Life Assurance	16 11.
City of London Gan-light Company Dorset street, Flort-street	16 2.
Manchester and Lords Railway Hunt's Bank, Manchester	17 12.
Wheal Hennock and Christowe On the Mine	17 12.
London and Brighton Rallway London Tavern	17
Boringdon Park Mining Company 2, White Lion court	17 12.
Bissoe Bridge Mining Association George and Vulture Taveru	17 12.
Rora Reversionary and Luan Society. Fl. Cornhill	19 12.
British Asphaltum	21 1.
Preston and Wyre Railway	21 1.
London Conveyance Company George and Vulture	21 12.
London Cemetery Company	12 Il.
Maytor Granite Company	22 18.
Alliance Efficial & Foreign Assurance Bartholomew Jane	20 12.
South Metropolitan Gas Light & Coke London Bridge house hotel	24 11.
Borough of Mt. Marylebone Bank 17, Cavendian square	P4 2.
Birmingham and Giouccuter Railway Dee's Hotel, Birmingham	24 I.
National Life Assurance	26 I.
Great Wheal Charlotte Mine Grorge and Vulture	Berry To
London Canutchone Company Guildhall Coffee house	29 12.
Australian Agricultural Company 12, King's Arm's yard	20 Is
the Fred Mexican Mining Association London Tavern	Mires Is
Loud in and Eirmingham Railway Dec's Holel, Riemingham . Feb.	Land He
Hibernian Mining Comprey d. Austin-Flare	Bears to
Maryport and Carlinis Hadway Mr. Gloag's, Aspatria	\$5 xx 12.
CALLS.	
Ethanness Balalan & Consequel B CC See 50 As Service as Co.	

	CALLS.	to the state of th
Glangery, Palijey, & Greenock H.	Maria Jan.	15 As former calls.
London Trades Joint Block Bank	M	14 84. Gracechurch street.
England Constitut Rallway Co.	Ble corner	14 An formor calls.
British American Land Company	M	15 Cilyn, Halifax, and Co.
Treburget Mining Company	24. 64	IC C. Auskin Diars.
Liancity Hallway and thock Co	100,	17 43, Charteg-erom.
THE GREEKE & Cutte Course Collisery	Marie as	12 London & Westminster Ba
Owinear Mining Company	Marrie	18 62. Lombard street.
Wird Cornwall Mining Company	Marra	Th Cunliffs, Brooks, and Co.
Kret Revolution & Botanical Gard.	Marsinson	21. Nicholan lane.
Mblland Counties Rallway	196	21 Az former calls.
Graveness and Milton Constary	Marries	28 Specings, Attwood, and Co.
Whenl Wallis Mining Company	100	31. Manchesture L'profitietrici
Trebuigh Mining Contract was a	74. 6d	31 Vere, Stante, and Co.
Munican and South American Co.	Marries	Si Narclay and Cu-
Squitable Reversionary Interest.	Adams Fub.	A Couldn and Co.
Chester and Crews Railway	100	3. Jones, Lloyd, and Co.
Character Charactery	244	1.0. Manhortonan and Ch.
Scouth Americalian Consquancy	Distraction	26 Ladbrokes and Co.
MAN OR AMOUNT SANON PROVINCE WATER	Dimension.	20 Martin, Mouse, and Co.
Maymony Iron Company	Mariana	26 7, Laurence Pountary-laur
	DIVIDEND	the second of the second of the second

Shymney Iron Company Many	Manager Pounts	45 mm
	INDA.	
Celestini Bank. Bank Lombien Wales-weight Bank Lombien Wales-weight Nathroad Kanas Fande Life Association. Bapillande Uniscount Beecholt Bapillande Uniscount Beecholt Bapterishinary Introduct Beecholt Australia Bank of Amstralia Bank of Amstralia Bank of Amstralia Coher Copper Mines Maximus and Booth Amprican Company Jampane Got Company Jampane Got Company	Dè per cunt. 14, Minincipogade a 16, 81, Fetton va 16, 81, Fetton va 16, 61, Fetton va 16, 61, Fetton va 17, 61, Marchey 17, King Armen 18, Bush long gathe o 4 per cent. 42, Cfd fireach oftripi, per cent. 42, Cfd fireach oftripi, per cent. 43, Cfd fireach oftripi, per cent. 43, Cfd fireach oftripi, per cent. 47, Cfd fireach oftripi, per cent. 48, Cfd fireach oftripi, per cent. 48, Cfd fireach oftripi, per cent. 48, Annélie Charles 18, Annélie	ret. yard hout

BORINGDON PARK MINING COMPANY.—Notice is DORINGDON PARK MINING COMPANI.—Notice is bereby given, that a SPECIAL GENERAL MEETING of this company, will take place at this office, on Thursday, the 17th instant, at Twelve for One o'clock precisely, for the purpose of confirming the following resolution unanimously passed at a Special General Meeting of the proprietors held at the London Tavern, on the sigh silt,, and consequently to dissolve the company:—"That it is the opigion of this meeting, that a fair trial having been given to the mine without success, it is now determined to abandon the same, and that the cogine and materials be immediately disposed of, and the proceeds divided amongst the present shareholders.

S. CLARE, Sec. 2, White Lion-court, Cornhill, Jan. 4.

MESTINGS OF SCIENTIFIC BODIES.

SOCIETY.	PLACE OF MESTING.	DAY.	BOVA.
Linnman	Soho-square	Tuesday	S P. M.
Horticultural	21, Regent-street	Tuesday	
Civil Engineers	l, Cannon-row	Tuesday	H P.M.
London Electrical	Adelaide-street	Tuesday	7 P. M.
Society of Arts	Adolphi	Wednesday	74 P.M.
Medico-Botanical;	32, Sackville-street	Wednesday	8 P.M.
Seientife Society	Charlotte-st., Bioomsbury	Thursday	S. P. M.
Royal	Somerset House	Thursday	84 P. M.
Antiquaries	Somerset House	Thursday	B P.M.
Royal Institution	Albemarle-street	Friday	84 P.M.
Royal Asiatic	14, Grafton-street	Saturday	2 P. M.
	STATE OF STREET PROPERTY. TO SEE AN		

Monday, Jan. 14th—Accounts, at half past seven,—on the monthly sudit:—after which, Correspondence and Papers, on the Volume of Transactions.
Thesday—Manufactures, at half-past seven,—on Mr. Sherwin's improvement in weaving broad veivet:—after which, Colonies and Trade, on a sample of ten from Assam.
Wednesday—Meeting of the Society of half-past seven.

nam. sesday – Meeting of the Society, at half-past seven.

NOTICES TO CORRESPONDENTS.

It is necessary that Mr. Campbell should be more explicit respecting the mineral mentioned in his letter. Another long letter has been received on the subject of the Treisigh Mining Com-pany, but we most decline any further correspondence on the subject. "A Cestrian," received.

THE MINING JOURNAL. And Commercial Gagette.

LONDON, JANUARY 13, 1839.

With the present, Number the Index and Title Page are given of the Seventh Volume of the MINING JOURNAL, concluded at the end of the past year, and a glance at the former will at once show the quantity of valuable matter which is continually accumulating in our columns, the importance of which will be readily acknowledged by all who are interested in Mines, in Railways, Joint-Stock Banks, and other property of a similar description. The progress of undertakings which absorb such a vast amount of capital, must be deeply interesting to a very numerous class, and hence has arisen the necessity of a Journal exclusively devoted to these subjects, containing copious information on the almost daily fluctuations to which they are exposed, affording general and comprehensive views of their position, and boldly advocating those measures which the aspect of affairs may render necessary or desirable.

Such have been the objects fever kept in view by the MINING JOURNAL, and of our consistent and uniform devotion to them, the success which has attended this publication, furnishes both the most convincing and the most gratifying proof that could be afforded. It will have been evident to our readers that every subject which could be considered as affecting their interests, has received due and prompt attention: that we have ever pursued a consistent and impartial course, totally unbiassed by party feeling, and regardless of every thing but the real and permanent welfare of those interests which we represent. Temporary applause may thus have been occasionally sacrificed, but it is gratifying to reflect that the views which we have taken, and the opinions we have expressed, have been to a very considerable extent borne out by the course of events-thus proving that we have not been unmindful of that close observation of passing occurrences which is essential in the formation of correct generalisations.

It is gratifying to commence a new year under favourable auspices, and we trust that such is at present the case, as regards those interests with which we are most closely connected. The price of mineral produce, although low compared to what we have seen it, will afford generally a fair remuneration to the miner The progress of railways has latterly been most satisfactory, and in many instances returns may now be looked for in the place of heavy and continued expenditure upon unfinished and unproductive works. The success of joint-stock banks has been fully established by time, which has enabled them to assume a position which must ensure the attention of the Legislature, and to overcome those difficulties to which they have hitherto been exposed. If we take a general view of the spirit of commercial enterprise, it will be found to be based on sounder principles than those which have prevailed at many former periods; and there are many projects which now engage public attention, more especially those connected with the expanding powers of steam navigation, which can hardly fail to promote, in an equal degree, both individual that the present year may be marked with prosperity to those interests with which we are so intimately connected.

The arrival of the Mexican packet, Sheldrake, has brought advices from the mines, which will be found in another part of our columns, and again calls our attention to that country. We have on several occasions offered some remarks upon the French blockade of Mexico, as affecting British interests; and, in the present new aspect of affairs, still feel called upon to notice, this subject. The temporary losses and inconveniences sustained in consequence of this blockade, are now at an end-the French squadron has bombarded and reduced the Castle of San Juan d'Ulloa, and taken possession of Vera Cruz—and having thus effected its object in humbling the Mexicans, the ports are again open. This, no doubt is very satisfactory both to the mining and mercantile interests' whose operations have been of late so much impeded, while it has taught a salutary lesson to Mexico, as regards her holding invisitation the rights and properties of the subjects of foreign powers located in her territory.

It may perhaps, however, he well to look forward a little beyond the present moment, and to consider what the end of all this may bombarded and reduced the Castle of San Juan d'Ulloa, and taken

be-for assuredly we are now but at the commencement. The original demands of France against Mexico have, no doubt by this time, been increased tenfold by the expenses of the expedition, and her claims must thus be swelled to an amount which it is absolutely impossible for the exhausted Exchequer of the Republic to meet, even if the utmost desire existed for its liquidation, which cannot be for a moment supposed.

The naval demonstration which has now been made, the capture of a Mexican fortress, and the temporary submission of the authorities of the Republic, are no doubt proud triumphs to the national vanity of France; but this vanity having been fully gratified, she will next look for some more solid advantage, which she is no doubt in a position to command. That some ulterior object is in view, seems fully proved by the precipitation with which the attack was made, at a moment when the differences appeared to be all but adjusted, and when, by a little further concession and delay, the matters in dispute might have been amicably arranged.

The nature of these ulterior designs, hopeless as pecuniary compensation must be for the present enormous claims, is a matter of some consequence to this country, and at the present time well deserving of consideration. Unless our own Government should now interpose, France is evidently in a position to command the destinies of Mexico, and indirectly to ruin our trade and other connexions with that country. The design to render Mexico a French province, is somewhat too colossalfto fall within the limits of probability, at any rate for the present, although the possession of her chief, almost, indeed, her only part, and strongest fortification, would not form a bad commencement to such a project. France may, however, and very possibly will, indemnify herself by not only demanding but enforcing also, such advantages for her trade and such privileges for her subjects as may be deeply injurious to British interests, interwoven as they are with those of the Mexican Republic. To this point, then, we conceive it necessary thus early to direct attention, and should circumstances require, shall again return to it.

So much interest attaches itself to the meeting of the shareholders of the Great Western Railway, on Wednesday last, that we have devoted as large a space as possible to a report of the proceedings. The discussion was carried on with much animation, but the amendment proposed by Mr. HAYWORTH was lost by a large majority on a show of hands, when a poll was demanded, and the meeting adjourned to the following day. It will be seen that the amendment was finally negatived by a large ma-. jority at the close of the poll, the numbers being 6145 for, and 7792 against it. The original motion, " that the reports of the directors be approved and adopted, and that this meeting do request the directors to adhere to the principles laid down in the report, as most conducive to the permanent welfare of the company," was thus carried by a majority of 1647, and the long agitated question finally set at rest.

We observe, with regret, that the subject was discussed rather as a question between two opposing parties, than as a dispassionate attempt of persons having a common interest, to arrive at a just conclusion respecting their affairs. The system said to have been adopted of splitting shares, with a view to obtaining a majority, is one that cannot be too much deprecated, as tending to give a false preponderancy in the management of the affairs of public companies. The ill effects of this mode of proceeding must indeed be so evident, that further 'remark would almost be superfluous. We think that all parties must at length be convinced of the injurious results of divided opinion, upon the real interests of the company, while the great subject of contention having now been settled by a general appeal to the shareholders, further discussion must be useless as well as hurtful. The shareholders of the Great Western Railway are, doubtless, possessed of an excellent property, and economy in the completion of their works, and unanimity in the management, are alone wanting to establish its value.

THE FUNDS.

CITY, FRIDAY EVENING.

Consols closed at 92½ ¼ for money, ex div., and 94½ ¼ for the opening. The Three-and-a-Half per Cent. Red. Annuities 100½ ¼ money, and the New Three-and-a-Half per Cents 100½ ¼ for the opening. Bank Stock 202½ money. The premium upon Exchequer Bills 66 68, and

India Bonds 63.

Portuguese New Five per Cents 331, and the Three per Cent. ditto 211 4. Spanish Bonds, with May Coupons, 174 1, and Deferred 71 1. Colombian 274, and Mexican Six per Cents 242. Belgian Bonds 994 1. French Five per Cent. Rentes 1107. 75c., with the Exchange 25f. 40c. Dutch Two-and-a-Half per Cents 544 1.

The official abstract of the revenue for the year and quarter ended on the 5th January shows an increase on both periods, the former amounting to 1,075,2037, and the latter to 547,3316. The principal branches of the revenue—the customs, excise, and stamps—have contributed most can hardly fail to promote, in an equal degree, both individual benefit and public advantage. These considerations induce us, then, to hope, notwithstanding the existence of some causes less auspicious in their nature (which, indeed, few periods are without), that the present year may be marked with prosperity to those in. excess, but shows a deficiency of 23,277L on the stamps. The assessed taxes present a decrease of 22,930L on the year, but have increased 7661L on the last quarter. The improvement in the Post-office on the year is trifling, amounting only to 7257L, while the decrease for the last quarter exceeds the whole year more than one-half. The crown lands, which formed no feature in the revenue of 1838, have added this year the sum of 170,000L; and the miscellaneous taxes present an increase of 16,011L. exceeds the whole year more formed on fastering the sum of 170,000f.; and the miscellaneous taxes present an increase of 16,011f. on the year, and 6166f. on the last quarter. The most prominent feature of increase next to the customs, which it nearly equals, is that included under the head of "Repayments, &c.," amounting to 825,870f. for the whole year, and to 160,343f. for the last quarter. The amount of Exchaquer Bills required for the service of the current quarter is estimated at 5,000,673f.

LATEST INTELLIGENCE.

Fig.

THE

F16.

retor

Ire Ca which iron with the b Th that wrou Ar tiona tinue stance metal a ver enrici neces rich

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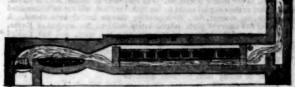
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THE NEW MODE OF PRODUCING WROUGHT OR MALLE-ABLE IRON DIRECT FROM THE ORE.

PATENTED BY MR. WILLIAM N. CLAY.

FIG. 1. -- LONGITUDINAL SECTION OF BALLING AND PILING FURNACE, WITH RETORTS.



The retorts are covered with a layer of sand.

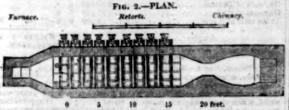


Fig. 3.—TRANSVERSE SECTION OF RETORTS AND HORIZON-TAL FLUES.

The O are small apertures to allow a portion of the flame to pass over the top of the retorts. The retorts may be increased or diminished, as the waste heat is greater or less.



REMARKS BY THE PATENTER.

Iron is popularly divided into two descriptions, cast and wrought. Cast, or pig iron, is principally a combination of the metal with carbon, which it absorbs from the coke or charcoal of the blast furnace. Wrought iron has been hitherto produced by freeing cast iron from the carbon, &c., with which it is combined: the nearer it approaches to a state of purity, the better wrought or maileable iron will it be.

The richer ores of iron contain the metal combined with oxygen; if that oxygen were separated, the metal would be in its malleable state as

The richer ores of iron contain the metal combined with oxygen; if that oxygen were separated, the metal would be in its malleable state as wrought iron.

And yet, the advance of science has left this great branch of our national prosperity so far behind, as to suffer the manufacturer still to continue the practice of impregnating the iron with carbon in the first instance, which carbon must afterwards be separated, by tedious and expensive processes, to produce wrought iron of good quality.

But there are other evils in the common mode. It is necessary for the manufacturer to have a sort of glass floating on the molten iron at the bottom of his furnace, to prevent the oxydation of the recently produced metal by the blast. This glass is formed from the earths with which the ores of iron are mixed, and limestone to flux those earths: so that ores of a very superior quality cannot be used by themselves, but only in part, to earich such poor ores as have more earths combined with them than are necessary for their own fusion. Thus it is that the hematites, and other rich ores found abundantly in Lancashire, Cumberland, Cornwall, &c., reach no higher a marketable value at the place of their production than the common earthy ores of the coal districts, although they contain twice as much iron, and that iron of a very superior quality.

Again, English iron is, from its mode of reduction, almost certain to be injured to a greater or less extent by combination with sulphur; the earthy ores, which form nine-tenths of those generally used, are impregnated with that deleterious mineral to a great extent; the coals from which the coke is formed are likewise more or less sulpharous; and this gives the high estimation and value to charceal iron, or such as has been reduced in the several processes by the agency of wood instead of coal.

It is the object of the patent taken out by Mr. William Clay, to produce wrought iron of best quality, direct from the rich ores hitherto so little used from the causes before-named, by a proc

economical.

To make wrought iron of such quality, for instance, as chain cables are made from, five several operations are necessary, besides the preliminary one of making the coke for the blast furnace, namely:

1. Roasting the ore.

2. Smelting in the blast furnace.

3. Refining.

4. Puddling, balling, hammering, and rolling.

5. Cutting up, piling, and rolling.

All these processes requiring a separate application of heat.

4. Puddling, balling, hammering, and rolling.
5. Cutting up, piling, and rolling.
All these processes requiring a separate application of heat.
It is stated in the article on iron, the 196th number of the "Library of Useful Knowledge," a work written with great clearness, and an intimate knowledge of the subject, that 8 tons 17 ewt. 3 qrs. 3 lbs. of coals are required for the production of one ton of finished har iron; doubtless, the introduction of the hot-blast has reduced the consumption of fael in the smelting operation considerably, and the adoption of anthracists coal may decrease it still further. It seems, however, yet doubtful, whether the best bar iron can be produced from "hot-blast pig:" at all events, very small proportions of that description are as yet used in the fabrication of iron of superior quality.

On the patent plan, the operations are reduced to three, namely—

1. Reducing, or preparing the ore in retorts, or other close vessels.

2. Balling, hammering, and rolling.

3. Cutting, pilling, and rolling.

The first of these processes is accomplished by the otherwise waste heat of the two latter, so that only two separate applications of heat are required; and the second operation on this plan commences with the iron in as forward a state as the fourth of the old mode, whereby the cost of fael and labour, and the enormous outlay of capital in land, blast furnaces, and machinery required to bring iron on the old mode to the third stage, are all avoided.

It is now necessary to state how this is to be accomplished.

It is now necessary to state how this is to be accomplished.

Referring to the plan, it will be seen that between a reverberatory furnace of the common construction employed in "puddling," "balling," the placed, which are heated on their exterior by the otherwise waste heat of the furnace.†

or "piling" iron, and the chlumey, a range of reforts are placed, which are heated on their exterior by the otherwise waste heat of the furnase. †
Into these reforts are thrown 100 parts, of Ulverstone, or other rich ore, and twenty parts of coke dust, ground charcoal, authracite, or other carbonaceous matter, well mixed together. The refort is clessed, and the vapours generated escape as gas. In the course of from thirty to furty-eight hours, as the heat is greater or lash, the earbon will carry off the oxygen, and leave the iron in a metallic state.

It has then to be taken to the balling furnace, where it welds up, like scrap iron, and in afteen usinates is ready for the hammer; thence it undergoes the customary process of rolling.

It is then out up, piled, and rolled, and the operation terminates with the production of bar iron of superior and extraordinary quality.

The fourth operation of the old process, "puddling," takes from one and a half to two hours to perform; the record operation of the patent, only fifteen minutes; consequently, the consumption of fuel will be much less than if refined iron were used. It would be idle to compare the simplicity and economy of the first stage of the patent process, with the oust of the three stages required to make the ironustone into refined iron on the old mode, when we find by referring to p. 28 of the work alluded to, that if the 8.889 tons of coal consumed in the whole process, 6.989 tons are set up to the refining, so that the 1.9 tons required for the subsequent existent, may be calculated on as more than enflicient for the patent n—to which may be added (if the formaces themselves do not supply in the remains of the subsequent existent, may be calculated on as more than enflicient for the patent n—to which may be added (if the formaces themselves do not supply in the remains do not supply in the remains of the patent n—to which may be added (if the formaces themselves do not supply in the remains of the patent n—to which may be added (if the formaces thems

sufficient cinders), the one-fifth part of the weight of the ore used, to mix therewish, as carbonaceous matter.

An objection may be made by an iron-master that the mode is not wholesale enough—that the returts contain only hundred weights, while his mighty tower furnaces hold tons. If the question were the production of pig, or cast iron, there might be some weight in this; but the superiority of the patent mode refers more particularly to the production of wrought iren; and here, the largest maker in the kingdom must await the laborious and tedious operation of the puddler—him he can only supply with a few hundred pounds of iron every two hours; so that the retorts have only to furnish the same quantity, to keep up with the puddling furnace, on this plan, will produce considerably more than a puddling furnace of the present system; if necessary, it might be shown that a balling furnace, on this plan, will produce considerably more than a puddling furnace on the old one.

It now only remains to notice the quality of the iron. In no one respect is it inferior to "best common," and in many of its properties it is equal to Swedish or charrond iron; its tenacity is so great, that of four trials made with patent iron (1-inch 'chain), at the corporation testing machine, Liverpool, not one broke with a less strain than twenty-six tons, and one link required 28 tons 12½ cwt. to break it, the standard test for that size being sixteen tons.

**Experiment on Mr. Clay's method of making has iron,—150 lbs. of Ulverstone ore and 40½ lbs. of wet coke (losing 12½ per cent. in drying), were put into one of the gas retorts in Dale-street, on Saturday, Nov. 24, at five in the morning, and remained in till ten on Tuesday evening, or sixty-five, hours. The heat was maintained at a full red, or common gasmaking heat. The above quantity reduced at the Mersey forge (two miles distant) produced in thirty-four minutes two balls of iron—one of 32 lbs., and one of 26 lbs.—58 lbs. The former rolled to one and a quarter inch puddled bar,

cent. tive result of melting iron in a cupola with a misture of anthra-il and coke, and with coke alone, obtained from repeated trials

Old method of filling and working the cupola with coke alone.	New method of filling and working the cupola, with a mixture of coke and anthracite raw coal.
Charge with coke 6 0 0 Ditto lineatone 9 0 Ditto lineatone 9 0 Ditto iron 5 0 0 Ditto coke 1 1 20 Ditto iron 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Charge with coke. 2 9 0 Do. anthracite raw coal 2 2 0 Do. limestone 9 2 0 Do. coke. 1 0 Do. troe 1 0 Do. troe 2 0 And continue filling 1 cert. of coke, and 2 cert of joint of

The cost of coke fuel for melting each ton of iron, reckoning the coke at 30s. per ton, is 3s. 8d. The cost of the mixed fuel, reckoning the coke at 30s. per ton, and the anthracite coal at 23s. per ton, is only 1s. 8d. per ton, causing a saving of upwards of 50 per cent.; and the anthracite coal being almost pure carbon, has the further effect of improving the quality of the iron.

This experiment was tried at Mesars. Weber's foundry, Liverpool. The anthracite coal was obtained from the Ystalyfers Iron Works, near Swansea, now erecting under the direction of Mr. E. O. Manby, civil engineer.

engineer.

N.H. The cupola which is now at work, according to the improved method above described, is two feet two inches wide inside, eight feet high, and is blown by a fan blast through a twyere six and a half inches in diameter. The blast was not heated. The quality of the iran was decidedly improved by remelting with anthracite.—Civil Engineer.

NEW COMPANIES.

Under this head we propose to notice weekly the several new projects which may be brought forward, and to which public attention is directed, hrough the medium of the press or otherwise, confining ourselves, however, to "Public Companies," and briefly noticing their objects with such general information as is conveyed by the prospectuses, or which may be gathered from other sources, on which reliance may be placed. We shall, therefore, feel at all times obliged for particulars duly authentisated, on subject of projected companies; and while it will be our object to avoid the exercise of bias in favour of any particular undertaking, we shall at the same time endeavour to collate such information as is calculated to afford to the capitalist the opportunity of judging of its merits, and the correctness of the opinions put forward in the representations of

EAST INDIA INLAND STRAM NAVIGATION COMPANY.

EAST INDIA INLAND STEAM NAVIGATION COMPANY.

A company is about to be established under the above title, having for its object the internal navigation by steam of our East Indian territories. The splendid rivers which traverse India are well known to all, and no less so the vast population concentrated on their banks, and the immense trade which is at present carried on upon them. The establishment of steam marigation upon these rivers, promises therefore to be attended with the most successful results; more especially, as it is stated that ample supplies of coal can be-procured in Calcutta, at a lower price than is London.

We learn from the prospectus, that the goods ansually borne down the Ganges amount to 179,455 tons, valued at eix millions sterling, and that a proportionable value returns to the interior, that the river runs through a tract of country peopled by more than 60,000,000 of inhabitants, a great number of whom are constantly passing from one station to another, and that it is computed that 100,000 people arrive daily in Calcutta from the villages situate on the banks of the Ganges, for a distance of nearly forty miles.

PROPOSED NEW SHIPPING COMPANY, TO BE CALLED THE LONDON AND YORKSHIRE SHIPPING COMPANY.

The object of this company, is to establish increased facilities of communication between London and the river Humber. We learn from the privapectus, that the trade between London and the West Ridding of Yorkshire, is not only of great extent and importance, but is continuity increasing, and the advantages which must arise to parties engaged in that trade, from the establishment of a regular daily line of fact sailing vessels will, it is presumed, secure alone (independently of the profit which must result) the increasary support to this undertaking.

THE IRON TRADE.—This important trade is in a very flourishing and satisfactory state. During the whole of the year the price of common bars at the ports in South Wales has remained steadily fixed at 9t, per ton; and although, from the activity and buoyancy of the market, as advance has frequently appeared inevitable, no alteration has taken place. The demand at present is very great; both for home and for

The demand at present is very great; both for home and foreign conscious-tion.—Merthyr Guardian.

It was stated last week that at a preparatory meeting of the Stafford-shire iron-masters, held at Dudley, it was determined to advance the price of iron 1l, per ton. The Skropakire masters have resolved to follow the example of the Staffordshire houses in their quotations. The wages of the workmen have also been incremed.

At a late meeting of iron-masters, the leading members of the trade came to a determination to present Michael Grantovok, Enq., who has been chairman of their meetings for twenty years, with a service of plate, as an acknowledgment of his services. This determination has been promptly followed up by a subscription of nearly 5001.—Sheffield Iris.

promptly followed up by a subscription of nearly 5001—6thefield Iris.

Paice or Searco in Berningham and Midland, 354.; Town and District, 42: 10a.; Northern and Central, 7 die.; Warwick and Leanington 84.; Commercial Bank of England, 10a. prem.; National Provincial, at par Landon and Westminster, 4 prem.; Manchester and Liverpool, 1 prem.—Price of Railways:—London and Birmingham, 80 prem.; Grand Junicion, 100 prem.; Birmingham and Gloucester, 16 die.; Birmingham and Dorby, 10 die.; Greenwich have suddenly advanced to 1914—British Iron, 121.—General Steam Navigation, 234.—Birmangham Advertioer.

The Exportation or van Parcious Mavata.—The exportation of the precious metals from the poet of London to foreign poets for the pastweek, ending Saturday last, the 5th ints., is as under—Global cain to Hamburg, 1250 oz.; and Gibraltar, 250 oz. Silver coin to Calain. 600,000 oz.; Hambury, 185,000 oz.; Gibraltar, 72,640 oz.; West la-

BNGLISH MINES.

Jes. 5.—In the engine-shaft the lode is two feet wide of ore. In the rise, back of seventy fathom level west, inches wide, producing half a ton offere per fathom. In the level east the lode is eighteen inches wide, with small the local fathom level east the lode is eighteen inches wide, with small the local fathom level east the

Jan. S.—In the thirty fathom level east the lode is work. In the rise, back of said level, the lode is six work. In the twenty fathom level east the ground is good in the twenty fathom level east, on Copper lode, no all four pitches working at 12s, for 20s.

FOLDEREN MINING COMPANY.

Jun. 5.—Tu-day being our usual time to give you a report of a beg herewith to hand you the particulars therein. At the twenty-level, driving west of vice's shaft, on Doccas's lode, it is about on and continues to produce some very rich work; the same level olode is much of the same size and sature as last reported to yo twenty-four fathom level, going west of Williams's chaft, the mes employed in dessing the lode, consequently there is nothing as on there beyond what you are aware of. The ground in Vice's gine-shaft, sinking below the twenty-two fathom level, continuousle. Our tributers are working steadily, and their prospects regime.

Jan. 7.—The new engine-shaft is now sunk 16 ftms. 2 ft. 6 in. below the adit. On Friday last we held our monthly setting for these mines, and as ten pitches, varying from 8s. to 10s. in 20s. 1 four pitches were not out for re-setting; we also set two tutwork bargains. I do not see any thing multing any remarks from me since our last report beyond the above.

"a" In last report, the amount of the sold should have been 1616. 10s. 6d.

"." In last report, the amount of the sold should have been 1015, 108. 68.

Nos. 23.—I have this day visited this mine, and find the ground in the deep adit, during the last month, has proved rather harder than was expected, and have been obliged to give goe, per fathom. We have to-day, however, considered a more favourable alteration in the ground will see long take place, and the price we have now given is 80s, per fathoms. Terference to the drain which I mentioned to you in my last report for the unwatering the shallow level, the weather of late has been so wet and severe, that it has retarded our progress; and we consider it will require until the end of next week to complete, after which we hope to commence in work on the tin ground. We have this instant fixed and laid out for the erection of a sump, &c.

the end of next week to complete, after which we and laid out for the creetion of a sump, &c.

TAMAR SILVER LEAD MINING COMPANY.

Jan, 1.—In handing you my usual monthly report, it afords me much pleasure in stating that I have minutely examined all the underground operations, and am particularly gratified with my inspection. I consider our prospects highly encouraging, and likely to continue. The engine-shaft in now sunk nearly five fathoms below the 135 fathous level, in a congenial stratum of ground, and there is a large and promising lode, producing some good work, together with the ground favourable for sinking. We have been for some time past exploring very excellent tribute ground in the seventy-five and eighty-five fathom level, and the lode in both ends is now of a most proinising nature, and yielding very good work for silver lead ores, particularly in the latter level: also, in extending the 135 fathom level south, we have lately opened upon a promising lode, supwards of two feet in width, and producing some rich ores; and in most of the other levels driving, we are discovering tribute ground. We have now excentson pitches working, varying from 7s. 6d. to 1ss. 6d. in the pound, on the value of the lead only, and I consider are let on antisfactory terms. It is very early to say the probable quantity we shall sample the ensuing sampling, but we compute it about fifty-six tone; and I hope, on the completion of the hurning-house, which was commenced yesterday, we shall obtain a better price for the cres, as it will be the means of destroying the mundle with which some small portion thereof is much impregnated. In conclusion, I beg to repeat, that I am much pleased with my inspection, and cherioh sanguine hopes that these mines a li long continue productive and producines; of which you had handed you in setting report; since when the tutworkmen, have here desting the inde in the everal levels, therefore, I can report no alteration, excepting in the eighty-five fathom level; going south, where the lode is

The tributers are working estisfactorily, and will, I consider, get wages.

MARE JANES.

ARDMOOR COPROLIDATED MINING COMPANY.

Callington, Jon. 7.—Johnnoo's Flat-rod engine-shaft is make eight fittoms five fret below the sixty fathom level; and by the close of this most we expect to be sufficiently in depth for a neventy fathom level, and, from the present appearance of the lode in the shaft, we have reason to expect the seventy fathom level will be found-for-more productive than that of the level above. Driving east, on Johnson's lode, at the sixty fathom level, the character of the lode is much as hitherto—the ground looks a shade better. Them atoping in the back of this level have been desuing the lode during the past week, therefore we cannot say much of its value. We see its presentarif on the wall of the lode as we pass along, which is a good come. North on the lead lode, at this level, in rising against Johnson's whim-shaft, we are up about four fathoms, as stated in my last; the lode remains the same as the men are sinking the said shaft below the fifty fathom level, which it down about two fathoms. We expect the greent mouth will aim complet this shaft to the sixty fathom level, which will be of an important nature—it will assist the cump whim in taking away the broken stuff new laying in the level, and cambic us to resume the driving of the north end at this level where we have a lode of the most encouraging nature, from eight to it inches in width—rich work for nilver lead ores. The lode in the fifty fathom level and sporth, at this level, there does not appear the slightest alteration nice my last report. At the north mine, is driving oneth, at the towaty fathom level and sporth, at this level, there does not appear the slightest alteration nice my last report. At the north mine, is driving oneth, at the towaty fathom level and sporth, at the lovel gates to twenty inches in width, chiefly composed of mandle and spar. We sold, on the 31st uit., two parcels of sliver land one—No. 1, computed 22 tons,

TINCAOPT MINIMO COMPANY.

Jun. 2.—I feel pleasure in stating that since my last the 149 east and week have improved both for copper and tin, and are daily becoming more promising. The weatern oud is now getting near, being under the pitch, working at 7s. 6d. tribute in the 132, and is the same channel of ground. The 132 each is yielding caring work for tin and copper even, and kindly. The 120, immediately over the latter end, is very much like it. The 120 each is now in a much cofter channel of ground than we have ever had in that level before I exactly the came sort of ground than we have ever had in that level before I exactly the came sort of ground as that which percentes the most productive ground in the level above, and through which we have now driven about thirty fathours, the end (f. c. 110) still continuing grad, and filely to continue to. The otopes also in the back of this level are yielding candidated work for opper, with some til. The eighty-cone and sinety ends are producing that quality work for tin, with some copper. Our pitches in the back of the 100, back of the ninety, eighty-cone, and seventy-two, are all limiting well, more especially for tin. Our pitches also in the western part of the mine are, on the whole, improving.

HOLMBURE MINISC COMPANY.

ENGLISH MINING COMPANY.

Great St. George, Juni a.—We sample to-day, at Great St. George, it tons; at Wheai Prodence, if tows; and at Wheai Leisure, 52. I regret at I cannot hand you a better become of the sampling; the reason of the nallness of that at St. George has been explained in former communications; that at Wheai Prodence I expected to be such larger, and can hardly plain how it is so much less than anticipated. In consequence of the incleases of the weather we were unable teaders the whole of the one at this line; there are probably from five to ten tons left out. The quantity of heal Leisure is just about what was expected.

H. HUMPHAIRS.

When Leasure is just about what was expected.

UNITED WILLS MINING COMPANY.

Jen. 5.— In the twenty-five fathom level west of old diagonal-shaft the lode is three feet wide, producing but little ore. In the winze, bottom of thirty-five fathom level cast, the lode is eighteen inches | wide, producing a small quantity of good ore. In the adit level, east of castern shaft, the lode is one foot wide, with stones of ore. In the winze, bottom of ten fathom level (new), the lode is two feet wide, ore of a fair quality. In the twenty fathom level east, of enstern shaft, the lode is two feet wide—goor. In the iwenty-seven fathom level east the lode is two nad a half feet wide, coarse in quality. In the eastern shaft, under the thirty fathom level, the lode is three feet wide, producing some ore, but not rich. In the thirty-six fathom level, east of Turton's, no alteration. West of offto, the lode is eighteen inches wide—aloe inches or which of a good quality. In the forty fathom level east of Williams' shaft the lode is three feet wide, ovey throughout, but coarse in quality. In the forty fathou level west of ditto the lode is three and a half feet wide—eighteen inches good ors.

PERRAN CONSOLIDATED MINING COMPANY.

guality. In the forty fathous level west of ditto the lode is three and a half feet wide—eighteen inches good ore.

C. PENNOSE.

PERRAN CONSOLIDATED MINING COMPANY.

Jan. 7.—Meving again arrived here from the eastern mines, I find Windus's Phai-rod shaft is now such five fathoms below the fifteen fathom level; the ground is favourable for sinking, and by the end of February we hope to complete it to a twenty-five fathom level. Anthomey's lode, at the fifteen fathom level going east, is four feet wide, composed of soft spar, jack, nundie, and good stones of lead—a promising level. We have communicated a nurface shaft to this level, and find the lode to be productive of pretty good work throughout: we shall now be in a situation to set two pitches at once, at moderate tributes. On Madge's lode we are vinking a winze from the five fathom level, which lode we find to be large, from two to three feet wide, yielding rich stones of lead, mixed in soft white spar, and has a kindiy appearance: we shall also be able to set a pitch on this lode immediately. At the fifteen fathom level, south of Plat-rod engine-shaft, we have driven through this lode (Madge's), and shaft it of a soft fluctan nature, producing stones of lead, and very wet. Our computed twenty tone of lead, weight 20 tons 11 ewt. 3 qrs., such to R. and W. Michell, at 12.1 is, per ton per Si ewis. dry weight.

WEST WHEAL PEWEL MINING ANAOCIATION.

Di tons 11 ewt. 3 qvs., sold to 31, and v. Remand Rows.

Remand Rows.

Jan. 7.—At Buckingham's we are still employed about the work as stated in our last. The thirty east, on Fien-trap inde, is about eighteen inches wide—spar, spotted with yellow ores. In the thirty east, on the south branch, the tode is about ten inches wide, composed of spar, yellow and black ores, producing three-fourths of a ton per fathom. The south adit shaft has been suck about two fathoms in the past month. In Wilkinson's engine-shaft the ground is a little more favourable for sinking; lode about two and a half feet wide—fluor-spar, peach, &c., and excellent stones of yellow and grey mean.

M. Williams.

TREERION CONSOLS MINING COMPANY.

Jun. 5.—I beg to say that we have no improvement in driving the twenty-west on Shauger north lode; the end this week has produced enough to pay the mouth's expenditure in driving that level, beside opening tribute ground; the lode is at present two and a half feet wide, worth 8. per fathom for copper. The level below is likewise improved. In Christoe we have but little alteration in extending the levels, but the pitches are producing good ore, particularly that set in the bottom of the thirty, at se, is 11.; it is greatly improved in going down, and we shall exceed our calculation from it. The forty fathom level promises soon to partake of the same quality. W. SINCOCK.

them level promises soon to partake of the same quality.

WEST CORNWALL MINING COMPANY.

Wheat Elizabeth Mine, Jon. 5.—We had our setting on Saturday last; we set a winze to sink in the bottom of the twenty fathom level, by four men, at 40s. per fathom; this winze will divide the ground for the tributers, and be convenient for the south end, at the thirty-three fathom level; there are four men in the south, at the thirty-three fathom, they took four fathoms to drive, for 3l. per fathom; there is a very promising lode in this end, for lead and copper. We have stopped the north end at the thirty-three fathom level for the present, and set a wisze to sink six fathoms, at 40s.; in the bottom of it they have got a good lode to sink is. We set twelve fathom to the sump such to drive borth, and south at the forty-three fathom level, at 52s. dd. per fathom, four men in each end. There is a very kindly lode is each of these levels—we shall sample about 15-tons of lend on Saturday, and about twenty tous of copper on Tuesday went; this is superior in quality to lary we sampled before.

CORNUSIAN MINE. CORNUBIAN MINE.

Convertes, Jan. 8.—Our furly fathom level east, on the south lode, is not ooking as well as it was last week. The same level west, is without alteration since last report. The same level west, on the Chiverton lode, is improved; this level is looking very promising. The thirty-two fathom level west, is failed since last report. I expect that we shall have a good lode there again in a short time. The twenty-four fathom level west, on Chiverton lode, is improved since I wrote you last; very good stones of lead have been broken from this lode in my presence this day. The sixteen fathom level west, we have a tolerable good lode, and I expect that we shall have a better one in the course of a few days. Our tributers in a general way are getting on very well; we have now dressed 144 tons, undressed 14 tons, undressed 14 tons, undressed 14 tons, undressed 14 tons.

POREIGN MINES.

MINAS ORBARS MINING COMPANY.

Merro das Almas, Nac. 3:—Produce low, owing to the poor state of the athern stopes, where the bed was grently intermixed with the schiatus of country, which being proved to be so poor, have determined not to extensive, which being proved to be so poor, have determined not to extensive, which being proved to be so poor, have determined not to extense the present, but leave it in the mise to cover the stulis, and return the present squares and oxide of iron sands, until it opens again to its former size. A very favourable branch of bed has been discovered in the heaging wall at the horizon of the landing at it showed fine sumples when weshed, and men put there for stoping extending on its continuation north and south. For the completion of immediate analgeoration at the new stamps we have been unable to do immediate analgeoration at the new stamps we have been unable to do immediate analgeoration at the new stamps we have been unable to do immediate analgeoration at the new stamps we have been unable to do immediate analgeoration at the new stamps we have been unable to do immediate analgeoration at the new stamps we have been unable to do immediate analgeoration at the new stamps we have been unable to do immediate analgeoration at the new attention to their presence of the month of tober, 7 th. 1 as. 6 dws. 16 gre.

INTERIAL BRATTLIAN MINING ASSOCIATION.

IMPERIAL BRAFTLIAN MINING ASSOCIATION.

Rio de Jonesco, Nov. 21.—We sow hand you the return of gold dust shipped to present conveyance, with second bill of lading, and duplicate note of harges on same. Exchange rather flat, but some business has been done and 2014, at which it closes per this opportunity.

NATION, HOOTHERM and Co., George Co., Nov. 0.—It is with much pleasure I give you the assurance, hat although your mine is at present poor, every exertion is being made to enter it productive, and that this establishment is healthy and peaceable.

J. MONGAN.

Gold produce from 30th October to 6th November (nine days)—Stamps, 8 hbs. 8 65c. 9 dwts. 18 grs.—13 fbs. 7 cs. 1 dwt. 4 grs.—Total from 1st July h Nov., 516 lbs. 8 oz. 3 dwt. 30 grs.

and direction of it at the ten fathom level and above, ext. fect short of cut-ting the shoot of gold gone down on the latter, and from the appearance of the lode in the end, and the samples, there is no doubt hat we are approxi-mating it; the stone which we commenced driving obliquely through, this ground continued hard and unpromising for the major part of these ten days, but the stone, which is compact jacotings, is becoming gradually softer, and small floors of decomposed quarts, mice, and manganese just making their appearance, and they are, as we proceed, approaching each other; no doubt, therefore, that when they come together, which will be very shortly, we shall meet the shoot of gold gone down above; they have the aspect in every re-spect of the vinus, only they have not yet united, but before the next post they inevitably must, if they continue, when I fully expect to have the satis-faction of announcing to you that we are rich at the seventeen fathom level also, where the junction of these floors must take place, is the spot where the direction of the shoot above will bring it at this level. You will not fall to observe that our promises are in a great measure realised, and that you have not been asked to have patience in vain.

Produce from 20th October to 8th Nov., 24 mes. 5 5 71.

BOLANGS MINING COMPANY.

Extract from Report furnished by the Commissioners of Real del Monte.

Extract from Report furnished by the Commissioners of Real del Monte.

Zimapen, Det. 27.—Having visited San Onofre, and remained several days at and near the spot, we reached this place on our return last evening, after a fatiguing journey. The affairs of San Onofre, are, nyon the whole, astifactory; nine vars have been driven upon the visit into the hill, which have given, upon a moderate calculation, 180 cargas of ores, the end still being as good as it ever has been; these 150 cargas, will, I think, produce on an average 5 per cent., which, reckoning the earga at 10 arrobas, would give 1975 lbs. The workings upon the vein have been yet very little extended; and it would certainly be desirable, before we proceed to errect any very expensive works, to make a further trial thereupon, both in length and depth; seeing, however, the regularity of the vein, and the produce it has given, with searcely any variation, I feel a confident hope that it is not likely soon to fail. Under this impression, and seeing the peculiar situation of this country, which may present obstacles to the importation of quick-silver in future. I have considered it advisable to risk the commencement of the works for the reduction of the ores, and have therefore fixed upon a spot at about four leagues distance from the mine, for the purpose, and certainly under a combination of circumstances much more favourable than from what I had prevjously heard. I had been led to expect. It is in a valley mar a small lake, which will always supply the water required; the sides of the valley and the mountains for a considerable distance are covered with wood, so that timber and fuel can be obtained at a very cheap rate, the mountains being a kiad of common property for the use of the mines of the district, who are at liberty not only to take the wood, but to pasture their cattle free of cost. At the spot choses, there is plenty of limestone, clay for making bricks, and are cellent fats-stone, wintable for building; and as the wages of common labourers or UNITED MEXICAN MINING ASSOCIATION.

Report on the State of the Workings of the Mine of Rayus

Report on the State of the Workings of the Mine of Rayus.

Oct. 18.—La Parisima.—Santa Victoria.—The upper front to the northwest of the pit of Sant Lucia, has been communicated with the pit of San Rafael. In the lower front, a small quantity of good ore is appearing against the upper side of the working—the advanced part continues poor. The produce from the pit of Apostoles is of a very ordinary nature. A few rich threads of ore are found accompanying the common classes in the front to the south-east of Santa Margarita. The roofs of San Lazaro and Apostoles are suspended, the orea having been completely lost sight of, and the lode being very compact in both workings. A small portion of the common classes of ore is still met with in Santa Ireae, but the produce is now incensiderable. A narrow body of fair ore is being followed up to the west of the pit of San Porfirio, near its commencement; and, in the roof of the front of Trinidad, a bunch of ore, consisting of rich threads, and good common classes, is being worked; this is at present the most productive working in La Purisima. The roof of Dolores has been communicated in two points with the pit of the same name.

same name.

San Hermion.—The roof of the front to the morth-west contains a small quantity of ordinary ore; the pit has been suspended, the ores having failed. The front and roof to the south-east of Varones, have both failen into borrassea, and a pit has just heer commenced on, some narrow threads, in the point most advanced to the south-east. The pit of San Matias produces a small quantity of ordinary ore. The cross-cut of Pilar is suspended, having passed, in borrasca, the point at which it was expected the good ores of Varones might have been found. Thirty-one pair of barmen are now employed in La Purisima by day, and twenty by night. The weekly produce of ore in the rough state has averaged 1065 cargas, which, when picked, have yielded 141 eargas of asouges, of about twelve mares per monton in the patio, and about two marcs plata de ley in the arrastres; fifty-four cargas iterras de mortero, and 121 wargas tierras de labor, together of about five marcs per monton in the patio, and avariy one mare plata de ley in the arrastres.

San Capetano—The fourth pit of Jesus produces a small quantity of ordinary ore. The pit of San Feliciano contains a narrow band of good ore, running completely across the working towards the upper part, and the usual bady of ore in the lower part. In the front to the south-east the ores are now confined to the very centre of the working. The pit and roof of Santa Cecilia are yielding a fair quantity of ores, of good quality—the best are found on the north-west side of the pit. A few varas below this point a front has been driven through a long pilar between the pits of San Pablo and San Francisco, and a fair quantity of very rich ores has been extracted. Above this point again, in the communication between San Pablo and La Lau, and at the communecement of the pit of San Francisco, a roof is being opened, which contains a thread of remarkably rich ore amongst the commune classes.

Twenty-five pair of barmen are now employed in San Cayetano by day, and

I wenty-five pair of tearmen are now employed in San Cayetano by day, and twenty-three by night.

San Pin and Les Reger.—In the roof of San Pin a band of fine ore crosses the working against the upper side, below which there is a considerable quantity of ore of the common classes. In the front to the south-east of Las Reyes a small portion of ore is being thrown down from the roof; this working has just been commenced, and nothing particular can be said respecting it.

Kinkt pair of barmen have been combined in these two points by day, and

working has just been commenced, and nothing particular can be said respecting it.

Eight pair of barmen have been employed in these two points by day, and as many by night.

The weekly produce of ore in the rough state from San Cayetano' and San Pio, has averaged 1000 cargas, which, when picked, have yielded 750 cargas of arogues, and 22 cargas tieras de mortero, together of 12 mares per monton in the patio, and 1 maye plain de ley in the arrastres.

San Juan Busriera.—This front has been driven 3-40 vares since the last report; a very slight variation in the lode has taken place—small specks of ore continue as the work advances.

San Miguel.—In the front to the south-rest of San Francisce u pit is being opened, in which the ores appear to be of a better class than those lately extracted. The roof advances without any variation, and a front to the north-west in about to be commenced. A communication has been opened with this working, from one of the old points, by which it is considerably ventilated. On examining the two solid points of the lode, mentioned in the last report, nothing particular was met with, are has anything worthy of active occurred whist foliowing up the old workings. Seventy-five cargas of ore have been picked, produced from San Francisco. The bussoness have sold [in figur sales] their share of ores for \$12,620 3, and the mine's share has

occurred whits following up the old workings. Security-five engags of error of the Mrs. 18 lbs. 8 us. 5 with Days.

More Filin. No. 3.— Province. The gold produce for October, extracted up to sike, is 117 oils. [three are also now burning of 60 mores 2 or. 1 oils. analyzes in 80 st. 6, gold, and revers of the horizontal and the body or mans of the lock will generally be found in both same for the horizontal and the body or mans of the lock will generally be found in both same for the horizontal and the body or mans of the lock will generally be found in both same for the produce of the horizontal and the body or mans of the lock will generally be found in both same for the horizontal and the body or mans of the lock will generally be found in both same for some of the lock will generally be found in both same for som

Cata Branca, Nov. 4.—This being the first time Capt. Williams has seen the Iacara, it may be well I should bear witness to the correctness of his observations thereupon. Better stone never came from it; and I glad to say that, weatward of the cross-course, which heretofore you are navare was mixed, a firm stone, and more promising, seems coming ls. It appears that our patience is to be tried by the ends until the last; we have had had speed the list month—perseverance, doubtiess, will coaquer in time. An officer from the Morro das Almas establishment leaves on the morning for the 6th; he will take from this 142mks. 6ox. 6oits. 5sgrs. of gold (being exclusive of the 5 per cent. duty), the produce from the 18th of August to the 2d inst., inclusive, and which I hope will reach you in safety.—[Arrived at Falmouth per-Azri packet].

Gold return, for week ending 2d Nov., exclusive of part reserved for smalganantion, 5bs. 3oz. 10dwts. 2grs.

The accounts from the mines come down to the 14th October.

Leona.—In this mine, works of discovery were going on without any particular result. Narrow without of discovery were going on without any particular result. Narrow without continued smail. Mr. Schuchard writes—"Prior to the arrival of the packet, we had determined to re-commence working the winze of the Vispera, on Cata de Plata lode, and had already begun a cross-cut to communicate it with the branch of footwall; but under present circumstances it has been judged prudent to suspend this work; in case we should hereafter think of doing anything of importance in this point, it will be necessary to sink a new shaft, and for this it seems there are no disposable funds. In the neighbouring mine of Cata de Plata, all the good ores have been found below the old water's level; arriving at the water, be it ever so little, a shaft would be indispensable."

Valenciana.—in the last week-but one of the month we reached the lode in the second cross-cut, and cut through it entirely during the last week; we found it one vara wide, and composed of quartz and pieces of greywackr, and elay, slate, and aliver ores in boleo; the water is very quick, indeed, so much so, that it could not be kept in fork with the four maincates, and the people lost much since. On this account it was judged necessary to suspend the drainage and all other works until a steam-engine could be placed. I have had occasion previously to mention to you, that the tira of Valenciana would hardly adenit of four maincates working conveniently, so we have an means of augmenting our drainage, except by placing a steam-engine; besides, the cost of maintaining so many maincates is enormous, one-half of which at least would be saved by the employment of a steam-engine; besides, the cost of maintaining so many maincates is enormous, one-half of which at least would be saved by the employment of a steam-engine; we should likewise be enabled to follow up our works, sink the shaft, fact, so as to get at the ne

ANGLO-MEXICAN MINING COMPANY.

Guanazuato, Ocf. 19.—San Bernade.—Four further dividends have been received on account of the debt of this mine, amounting together to \$78 2 8; the prospects of this mine, seem, however, to be on the decline

Sirens.—The state of this mine continues very discouraging; the

Week ending 22d ult, memoria \$283 0 9; mine share of sair 302 3 6, 20th 9, 621 4 11 , , 419 1 6

7, 6th inst., 817 5 10 , , 205 6 6

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8 and about 200 eargas of ore, which will be beneficiated at pastila \$300. The falling-off in the weekly sales is to be attributed in some degree to the buseones themselves, who have been attracted in great numbers to the neighbouring mine of Rayas, where their favourite system of partida has intely been introduced, that is, dividing the ore between the buseon and the mine, instead of neiling it in company and dividing the money. In consequence, very few of the campos in Sirena have been worked with regularity; indeed, many of them not more than a day or a day and a half in each week. The chief cause is, however, without doubt; and unfortmantely the powerty of the mine itself. The two combined, render it impossible (for the present at least) to cover the expenses of the buscones, by their produce; and I have, therefore, this week, ordered all the campos to be suspended. The operations now carrying on, are confined to one work of destajo, which ought very shortly to be finished, and to the extraction of ore from two or three points on hacienda account—the ore we are sending to Pastita fig reduction, 10 to 10 being sent to the hactends of Dolores, the produces from Sai Francisco. The buseones have soid generally be found in both mines been sent to the hactends of Dolores, the produce of the hactends workings being sent to the hactends of Dolores, the produce of the hactends workings being sent to there as follows.

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LONDON AND WESTMINSTER BANK.

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The new building for the city establishment of this bank, which ha just been completed, is situated on the north east of Bothbury, lanned ately opposite to the north-east angle of the Bank of England. The whol structure occupies a site of nearly eighty feet in frontage, and ninety it depth. The facade consists of one general plans or face, broken only by an advancing pier at each end. It has seven apertures in the height, an three tiers of them in the height; the two lower tiers, comprehending the openings on the ground and one-pair floors, are included in one architectural story, or caler, if such it may be called, the upper tier, which consists of the windows of the two-pair floor, being contained in an attistory. The whole of the front is of Portland stome, with the exception of the plinth, which is from the Bramley-fall quarries. The entrance vestibule or avenue has, on each side, a line of four plain Doric columns, with appropriate accessories. From this veatibule access is gained on the right to the country bank, the principal staircase, and some cofficial apartments and directly in front, to the principal or town bank. The latter apartment is by far the most considerable in the building. Its general form is a square of about thirty-seven feet, whose height is that of the entire building, and it is extended by lateral additions, east and west, to a portion of this height. These additions or alsies are divided from the centre, or each side, by an arcade of three arches, springing from Doric columns with cornices. The surrounding walls are chancelled in rostic courses to the height of this order. The aisles or extensions are sufficiently lofty to allow of the introduction of a gallery on each side, finished in front by soutrary vaulting, producing a system of groins as ceilings to the galleries: they are also advanced over the main body of the building, and treated as aeries of haif groins, so as to afford support to an upper gallery, which passes quite round the principal square. The verge of this upper ga

SHREWSBURY AND BIRMINGHAM RAILWAY.

A meeting of the projectors of this railway was held on Thursday last, at the Shire-hall, Shrewsbury, at which the mayor (Mr. R. Ford) presided; and Lord Clive, Lord Hill, Sir R. Hill, Mr. R. A. Slaney, M.P., Sir J. Edwards, M.P., Colonel Wingfield, and many other gentlemen were present, to provide a direct line of communication between London and Dublin. The chairman said he had received a letter from the directors of the London and Birmingham Railway, in which they had expressed their determination to support it to the best of their ability. On the motion of Lord Clive, a resolution was put and carried unanimously to the effect—

"That Port Dynliara, in Caraarvonshire, is the most desirable position for a packet station to Ireland (it being also strongly recommended for a harbour of refuge, so much required on the Welsh const), and that, by the formation of a line of railway from that port, by Haia and Shrewbury, to the Grand Junetion at or near Wolverhampton, the best and most expeditions railway communication from London to Dublin would be obtained."

The noble lord said, that from the tremendous war of elementa we have just experienced, and the great losses which have ensued on the Welch coast, and in the neighbourhood of Liverpool, so far as we can ascertain them, it is peculiarly incumbent upon us to extablish, if possible, a port of refuge on that coast. A deputation, consisting of the Mayor, the Hon. R. Clive, M.P., Sir J. Edwards, Mr. Ormsby Gore, Mr. M. Williams, and Mr. T. Penson, were then appointed to attend the meeting in Dublin on this subject, which is fixed for the 19th inst., and the meeting having given three enthusiastic cheers for Lord Hill, separated.

METEOROLOGICAL JOURNAL, 1869.

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SALE OF COPPER ORES AT REDRUTH. Sampled, Dec. 26, and Sold at Andrew's Hatel, Redrath, Jan. 10.

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CORN EXCHANGE, JANUARY 11, 1839.

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SMITHFIRED, PRIDAY, JANUARY 11.

To sink the of	
Beef	Von
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Hend of Cattle on Monday-Boarts, 2727	Missey, 178, State , Calvan, 27 , Plan, 400
Head of Cattle this day-Beacts, 300;	Sheen, 2070 , Calvon, 116 , Plan, Alb.
	Annual late Long and late Edition

NEWGATE AND LEADENHALL .- By the Carear

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FROM THE LONDON GAZETTE,

Tuesday, January

INNOLVERY.

Jan. S.—A. Northersch, Chair-yer ham, law stapemer.

RANKEUPER.

G. Harcham, sen., and G. W. Burcham, jea., Bodieri, druggiota. [Parrar and Lake, Decises, commons.

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Friday, January 12.

Jac. 11. Sidney Davis, Sath, tra-Scaler, Henry Davis, Sath, tra-Scaler.

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3 per Cent. Anna. 1728. 3 per Cent. Red. Anna. 1000 \$ 1000	4,000 Bisace Bridge	10,090 Anglo Mexican Mint 10 10 10 10 10 10 10 1	10,000 Birmingham Bauk. 50 10 163 10 Mar. 500,000 Birtish Linen Co. 100, 100
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